

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: P1338312

Luminaire Tested: P3A05R359027DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R359027DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

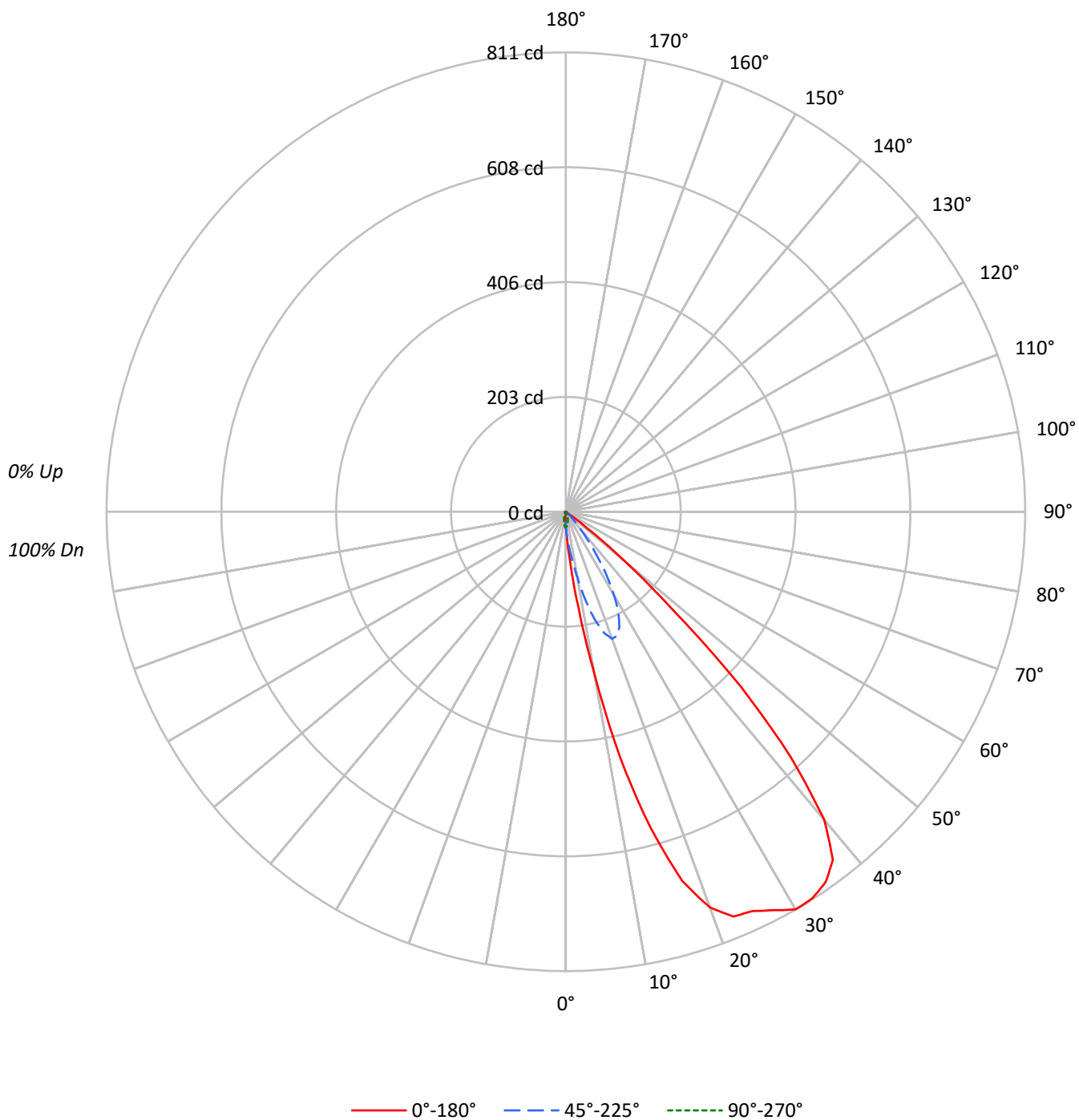
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1338312

CATALOG NUMBER: P3A05R359027DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1338312

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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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5877	5877	5877	5877	5877
5°	20009	13009	5503	2311	1717
10°	64372	26341	4342	868	557
15°	131170	44699	3065	318	204
20°	173452	55655	1984	117	117
25°	188188	54100	1113	48	121
30°	205297	43121	456	51	127
35°	213913	26850	134	54	134
40°	202980	11736	57	143	200
45°	135518	4683	62	217	341
50°	45440	785	171	307	478
55°	2523	76	191	421	612
60°	219	88	307	482	702
65°	259	104	363	571	830
70°	128	128	449	705	898
75°	169	169	593	763	932
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 135518 cd/sqm

TEST NUMBER: P1338312

CATALOG NUMBER: P3A05R359027DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	1.8
10°-20°	36.6	14.4
20°-30°	77.3	30.3
30°-40°	87.7	34.4
40°-50°	43.2	16.9
50°-60°	3.7	1.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
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°	118.6	46.5
0°-40°	206.3	80.9
0°-60°	253.2	99.3
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	91	59	25	10	8	15
15°	578	197	14	1	1	164
25°	778	224	5	0	0	362
35°	799	100	0	0	0	493
45°	437	15	0	1	1	323
55°	7	0	0	1	2	26
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	

TEST NUMBER: P1338312

CATALOG NUMBER: P3A05R359027DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	46.5	47.6	47.2	46.9	46.7	45.8	43.7	43.5	41.4	40.1	33.2
5°	90.9	89.0	89.5	87.0	83.8	79.2	76.2	69.8	64.6	59.1	38.7
7.5°	171.2	168.7	163.9	156.6	149.0	139.2	124.3	112.4	98.7	85.6	43.0
10°	289.1	287.7	281.6	262.8	246.3	220.0	195.3	169.2	143.5	118.3	46.0
12.5°	446.6	437.2	426.0	401.0	368.5	335.6	286.8	241.7	200.7	158.6	46.2
15°	577.8	571.8	556.0	523.5	484.4	436.7	378.8	318.2	256.4	196.9	43.9
17.5°	683.3	674.1	653.7	621.9	576.8	515.0	447.3	373.3	298.0	224.1	40.1
20°	743.3	738.4	722.9	691.1	641.8	574.3	497.2	411.1	324.1	238.5	35.0
22.5°	773.5	770.0	758.6	733.2	687.2	619.2	530.8	430.8	331.7	236.9	29.8
25°	777.8	776.9	767.1	747.8	709.4	642.1	545.5	434.5	325.5	223.6	24.7
27.5°	792.9	789.7	778.0	758.8	720.1	646.0	540.4	421.9	305.6	200.3	20.6
30°	810.8	808.5	796.8	776.9	731.1	642.3	522.6	393.9	273.8	170.3	15.3
32.5°	809.4	808.5	798.6	777.6	723.3	620.8	490.8	352.1	230.5	134.4	9.6
35°	799.1	795.9	783.5	751.0	678.9	565.4	430.3	295.3	182.4	100.3	6.2
37.5°	774.4	767.5	746.7	691.5	599.5	480.0	350.5	228.0	129.1	67.1	3.9
40°	709.1	700.4	658.6	591.9	495.6	378.1	260.7	156.8	85.2	41.0	1.6
42.5°	588.3	570.7	528.8	460.3	369.9	267.4	171.2	101.6	50.1	24.7	0.5
45°	437.0	423.5	379.5	317.5	242.4	171.4	103.7	54.9	27.7	15.1	0.2
47.5°	254.5	246.3	223.6	182.9	133.9	90.0	53.1	29.5	16.3	7.3	0.2
50°	133.2	122.9	105.8	80.1	59.1	41.4	25.9	15.8	8.0	2.3	0.2
52.5°	46.7	46.0	41.9	31.6	25.6	18.5	12.6	6.9	2.3	0.5	0.2
55°	6.6	6.6	6.2	6.9	7.3	6.6	4.3	1.8	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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

TEST NUMBER: P1338312

CATALOG NUMBER: P3A05R359027DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	26.8	26.8	26.8	26.8	26.8
2.5°	26.6	21.3	16.9	14.9	14.2
5°	25.0	16.0	10.5	8.2	7.8
7.5°	22.2	11.4	6.4	4.6	4.3
10°	19.5	8.2	3.9	2.7	2.5
12.5°	16.3	5.7	2.5	1.6	1.4
15°	13.5	3.9	1.4	1.1	0.9
17.5°	10.8	2.5	0.9	0.7	0.9
20°	8.5	1.6	0.5	0.5	0.5
22.5°	6.4	0.9	0.5	0.5	0.5
25°	4.6	0.5	0.2	0.2	0.5
27.5°	3.2	0.2	0.2	0.2	0.5
30°	1.8	0.2	0.2	0.2	0.5
32.5°	0.9	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	0.9
45°	0.2	0.5	0.7	0.9	1.1
47.5°	0.5	0.5	0.9	1.1	1.4
50°	0.5	0.7	0.9	1.4	1.4
52.5°	0.5	0.7	1.1	1.4	1.6
55°	0.5	0.9	1.1	1.6	1.6
57.5°	0.7	0.9	1.1	1.6	1.6
60°	0.7	0.9	1.1	1.6	1.6
62.5°	0.7	0.9	1.1	1.6	1.6
65°	0.7	0.9	1.1	1.6	1.6
67.5°	0.7	0.9	1.1	1.4	1.6
70°	0.7	0.9	1.1	1.4	1.4
72.5°	0.9	0.9	1.1	1.4	1.4
75°	0.7	0.9	0.9	1.1	1.1
77.5°	0.7	0.7	0.7	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)