

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: P1338936

Luminaire Tested: P3A05R409730DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409730DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

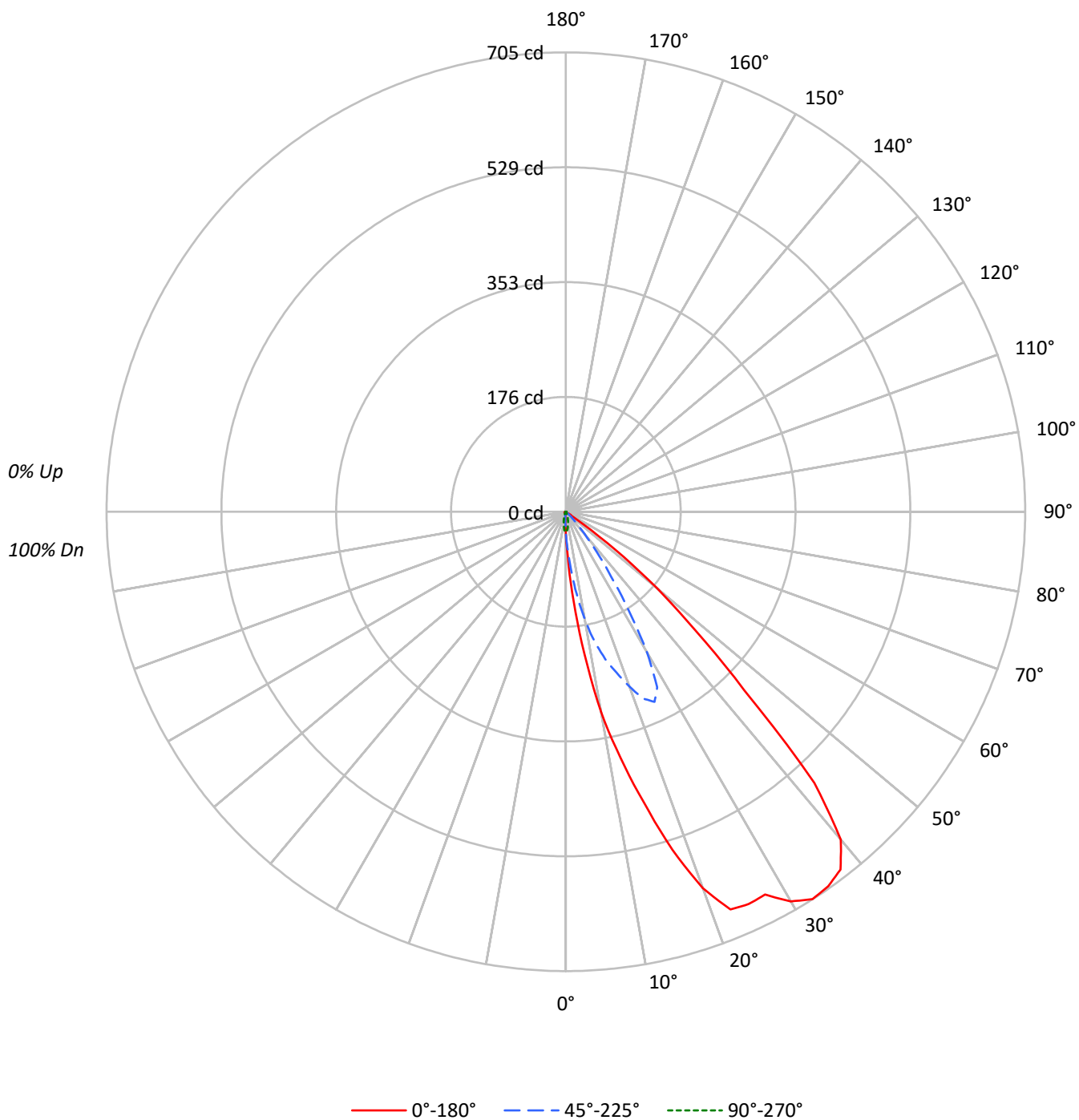
Lumens per Lamp: N/A
Luminaire Lumens: 260.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 2.52 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1338936

CATALOG NUMBER: P3A05R409730DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1338936

CATALOG NUMBER: P3A05R409730DE010 E3A301WMH

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6754	6754	6754	6754	6754
5°	30420	19392	6053	2311	1695
10°	69783	37474	4253	824	646
15°	104700	53190	2633	454	409
20°	143372	66669	1540	257	303
25°	160727	77884	798	218	266
30°	174812	62870	329	177	279
35°	187893	32177	107	241	348
40°	187952	12824	57	258	429
45°	120012	4280	124	403	620
50°	62292	512	239	512	751
55°	5390	76	268	688	918
60°	175	88	307	789	1053
65°	208	104	467	778	1141
70°	128	128	577	833	1154
75°	169	169	593	932	1271
80°	253	253	884	884	1137
85°	0	503	1761	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120012 cd/sqm

TEST NUMBER: P1338936

CATALOG NUMBER: P3A05R409730DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	2.3
10°-20°	35.2	13.5
20°-30°	77.1	29.6
30°-40°	87.8	33.8
40°-50°	46.3	17.8
50°-60°	5.5	2.1
60°-70°	1.0	0.4
70°-80°	0.8	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°	118.3	45.5
0°-40°	206.1	79.3
0°-60°	257.8	99.2
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	138	88	28	10	8	19
15°	461	234	12	2	2	136
25°	664	322	3	1	1	306
35°	702	120	0	1	1	435
45°	387	14	0	1	2	312
55°	14	0	1	2	2	44
65°	0	0	1	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1338936

CATALOG NUMBER: P3A05R409730DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	68.6	68.6	68.3	66.4	66.1	65.9	62.4	61.5	57.4	54.5	41.5
5°	138.2	135.1	134.9	131.4	125.5	117.6	112.5	104.4	96.5	88.1	51.2
7.5°	220.2	222.8	215.6	211.8	198.7	189.2	174.7	162.0	144.2	127.5	59.1
10°	313.4	308.7	301.5	294.2	280.0	263.0	241.5	218.9	193.2	168.3	63.5
12.5°	386.1	380.2	375.8	365.9	351.8	330.1	304.4	274.0	240.0	204.1	63.3
15°	461.2	455.3	445.4	436.6	415.8	391.4	363.5	323.5	281.7	234.3	58.7
17.5°	543.9	536.2	525.2	511.8	491.6	464.5	429.2	380.4	321.3	258.9	50.3
20°	614.4	609.8	598.8	583.0	563.2	536.8	496.0	441.9	369.8	285.7	40.0
22.5°	660.6	656.4	648.9	635.1	620.1	592.0	554.6	495.3	410.5	310.1	30.3
25°	664.3	662.5	660.6	655.9	646.9	626.9	590.5	526.5	435.8	321.9	22.4
27.5°	662.3	661.7	661.2	658.8	652.9	633.1	595.7	531.1	432.5	303.5	16.5
30°	690.4	688.5	687.4	679.5	663.9	633.3	584.5	506.3	384.3	248.3	11.9
32.5°	704.7	704.3	703.2	695.5	673.5	633.8	565.6	446.3	304.8	179.3	8.1
35°	701.9	699.7	695.7	681.4	650.9	601.0	504.5	356.4	220.0	120.2	5.3
37.5°	692.2	687.2	679.5	653.7	613.1	545.0	409.2	262.4	149.6	77.8	3.1
40°	656.6	649.8	637.7	606.3	552.9	449.2	302.6	177.3	98.2	44.8	0.9
42.5°	564.5	555.7	547.0	511.8	450.7	334.9	199.1	109.7	56.0	24.6	0.2
45°	387.0	376.0	363.9	338.4	289.4	202.8	118.4	61.7	29.0	13.8	0.2
47.5°	268.8	263.7	242.6	210.1	161.1	107.5	61.3	30.3	15.4	6.4	0.2
50°	182.6	176.9	152.3	120.9	85.7	51.4	28.1	15.2	6.8	1.5	0.2
52.5°	95.8	88.8	73.2	55.8	34.7	21.5	12.3	6.6	2.0	0.2	0.2
55°	14.1	13.0	10.5	8.6	7.7	5.9	3.5	1.5	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.7
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	0.4	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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



TEST NUMBER: P1338936

CATALOG NUMBER: P3A05R409730DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	30.8	30.8	30.8	30.8	30.8
2.5°	30.3	22.4	17.4	14.9	14.7
5°	27.5	16.0	10.5	8.1	7.7
7.5°	23.3	11.2	6.2	4.4	4.2
10°	19.1	7.7	3.7	3.1	2.9
12.5°	15.2	5.1	2.6	2.4	2.2
15°	11.6	3.3	2.0	1.8	1.8
17.5°	8.8	2.2	1.5	1.5	1.5
20°	6.6	1.5	1.1	1.3	1.3
22.5°	4.6	1.1	0.9	1.1	1.1
25°	3.3	0.9	0.9	1.1	1.1
27.5°	2.2	0.7	0.7	0.9	1.1
30°	1.3	0.4	0.7	0.9	1.1
32.5°	0.7	0.4	0.7	1.1	1.1
35°	0.4	0.7	0.9	1.1	1.3
37.5°	0.2	0.7	0.9	1.3	1.3
40°	0.2	0.7	0.9	1.3	1.5
42.5°	0.4	0.9	1.1	1.5	1.8
45°	0.4	0.9	1.3	1.8	2.0
47.5°	0.4	0.9	1.5	2.0	2.0
50°	0.7	1.1	1.5	2.0	2.2
52.5°	0.7	1.1	1.5	2.2	2.4
55°	0.7	1.1	1.8	2.2	2.4
57.5°	0.7	1.3	1.8	2.2	2.4
60°	0.7	1.1	1.8	2.2	2.4
62.5°	0.9	1.1	1.5	2.2	2.2
65°	0.9	1.1	1.5	2.2	2.2
67.5°	0.9	1.1	1.5	2.0	2.0
70°	0.9	1.1	1.3	1.8	1.8
72.5°	0.9	1.1	1.3	1.5	1.8
75°	0.7	0.9	1.1	1.3	1.5
77.5°	0.7	0.9	0.9	1.3	1.3
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.7	0.7	0.4	0.7	0.7
85°	0.7	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)