

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: P1335342

Luminaire Tested: P3A02R359035DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335342
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: P3A02R359035DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

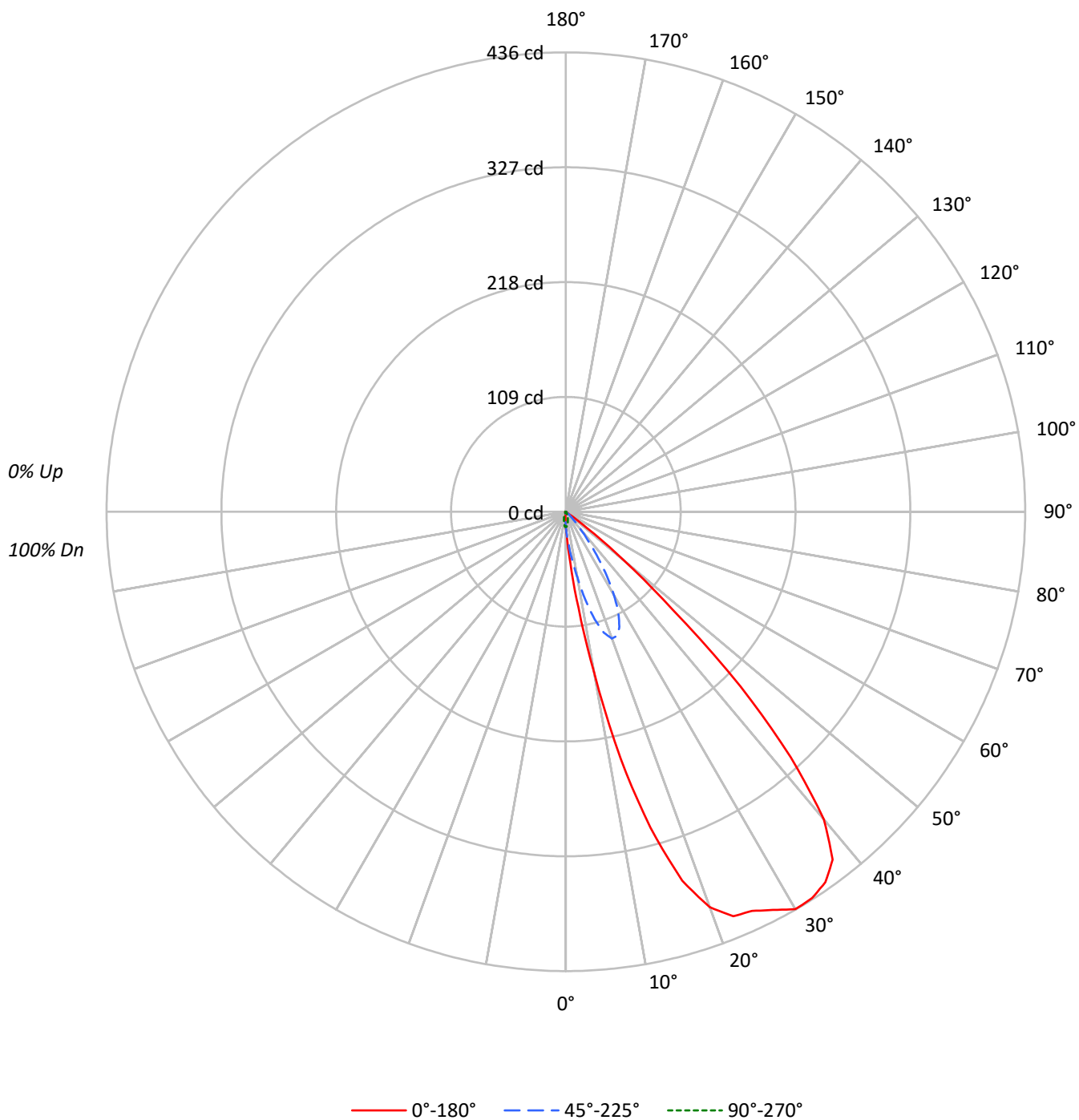
Lumens per Lamp: N/A
Luminaire Lumens: 137.0 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1335342

CATALOG NUMBER: P3A02R359035DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1335342

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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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3158	3158	3158	3158	3158
5°	10742	6978	2950	1255	924
10°	34580	14161	2338	468	312
15°	70466	24018	1657	159	114
20°	93178	29893	1073	47	47
25°	101111	29082	605	24	48
30°	110295	23168	253	25	51
35°	114920	14429	54	27	54
40°	109061	6298	29	57	115
45°	72814	2512	31	124	186
50°	24426	409	68	171	239
55°	1376	38	76	229	344
60°	88	44	175	263	395
65°	104	52	208	311	467
70°	64	64	256	385	449
75°	85	85	339	424	508
80°	0	126	505	505	505
85°	0	252	1006	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72814 cd/sqm

TEST NUMBER: P1335342

CATALOG NUMBER: P3A02R359035DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	1.8
10°-20°	19.7	14.4
20°-30°	41.5	30.3
30°-40°	47.1	34.4
40°-50°	23.2	16.9
50°-60°	2.0	1.5
60°-70°	0.4	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	63.7	46.5
0°-40°	110.8	80.9
0°-60°	136.0	99.3
0°-90°	137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	137.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	49	32	13	6	4	8
15°	310	106	7	1	0	88
25°	418	120	2	0	0	194
35°	429	54	0	0	0	265
45°	235	8	0	0	1	173
55°	4	0	0	1	1	14
65°	0	0	0	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335342

CATALOG NUMBER: P3A02R359035DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2.5°	25.0	25.6	25.3	25.2	25.1	24.6	23.5	23.4	22.3	21.5	17.8
5°	48.8	47.8	48.1	46.7	45.0	42.6	41.0	37.5	34.7	31.7	20.8
7.5°	92.0	90.6	88.1	84.1	80.1	74.8	66.8	60.4	53.0	46.0	23.1
10°	155.3	154.6	151.3	141.2	132.3	118.2	104.9	90.9	77.1	63.6	24.7
12.5°	239.9	234.9	228.9	215.5	198.0	180.3	154.1	129.9	107.9	85.2	24.8
15°	310.4	307.2	298.7	281.3	260.2	234.6	203.5	170.9	137.7	105.8	23.6
17.5°	367.1	362.2	351.2	334.1	309.9	276.7	240.3	200.6	160.1	120.4	21.5
20°	399.3	396.7	388.4	371.3	344.8	308.6	267.1	220.9	174.1	128.1	18.8
22.5°	415.5	413.7	407.6	393.9	369.2	332.7	285.2	231.4	178.2	127.3	16.0
25°	417.9	417.4	412.1	401.8	381.1	345.0	293.1	233.4	174.9	120.2	13.3
27.5°	426.0	424.3	418.0	407.7	386.9	347.0	290.4	226.7	164.2	107.6	11.1
30°	435.6	434.4	428.1	417.4	392.8	345.1	280.8	211.6	147.1	91.5	8.2
32.5°	434.9	434.4	429.1	417.8	388.6	333.5	263.7	189.1	123.8	72.2	5.2
35°	429.3	427.6	421.0	403.5	364.8	303.8	231.2	158.6	98.0	53.9	3.3
37.5°	416.0	412.4	401.2	371.5	322.1	257.9	188.3	122.5	69.4	36.0	2.1
40°	381.0	376.3	353.8	318.0	266.3	203.2	140.1	84.2	45.7	22.0	0.9
42.5°	316.1	306.6	284.1	247.3	198.7	143.6	92.0	54.6	26.9	13.3	0.2
45°	234.8	227.5	203.9	170.6	130.2	92.1	55.7	29.5	14.9	8.1	0.1
47.5°	136.8	132.3	120.2	98.3	71.9	48.3	28.5	15.9	8.7	3.9	0.1
50°	71.6	66.0	56.8	43.0	31.7	22.3	13.9	8.5	4.3	1.2	0.1
52.5°	25.1	24.7	22.5	17.0	13.8	10.0	6.8	3.7	1.2	0.2	0.1
55°	3.6	3.6	3.3	3.7	3.9	3.6	2.3	1.0	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
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: P1335342

CATALOG NUMBER: P3A02R359035DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	14.4	14.4	14.4	14.4	14.4
2.5°	14.3	11.4	9.1	8.0	7.6
5°	13.4	8.6	5.7	4.4	4.2
7.5°	11.9	6.1	3.4	2.5	2.3
10°	10.5	4.4	2.1	1.5	1.4
12.5°	8.7	3.1	1.4	0.9	0.7
15°	7.3	2.1	0.7	0.6	0.5
17.5°	5.8	1.4	0.5	0.4	0.5
20°	4.6	0.9	0.2	0.2	0.2
22.5°	3.4	0.5	0.2	0.2	0.2
25°	2.5	0.2	0.1	0.1	0.2
27.5°	1.7	0.1	0.1	0.1	0.2
30°	1.0	0.1	0.1	0.1	0.2
32.5°	0.5	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.4
40°	0.1	0.1	0.2	0.4	0.4
42.5°	0.1	0.1	0.2	0.4	0.5
45°	0.1	0.2	0.4	0.5	0.6
47.5°	0.2	0.2	0.5	0.6	0.7
50°	0.2	0.4	0.5	0.7	0.7
52.5°	0.2	0.4	0.6	0.7	0.9
55°	0.2	0.5	0.6	0.9	0.9
57.5°	0.4	0.5	0.6	0.9	0.9
60°	0.4	0.5	0.6	0.9	0.9
62.5°	0.4	0.5	0.6	0.9	0.9
65°	0.4	0.5	0.6	0.9	0.9
67.5°	0.4	0.5	0.6	0.7	0.9
70°	0.4	0.5	0.6	0.7	0.7
72.5°	0.5	0.5	0.6	0.7	0.7
75°	0.4	0.5	0.5	0.6	0.6
77.5°	0.4	0.4	0.4	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.2	0.2	0.4	0.4
85°	0.4	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)