

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: P1335413

Luminaire Tested: P3A02R359730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335413
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: P3A02R359730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

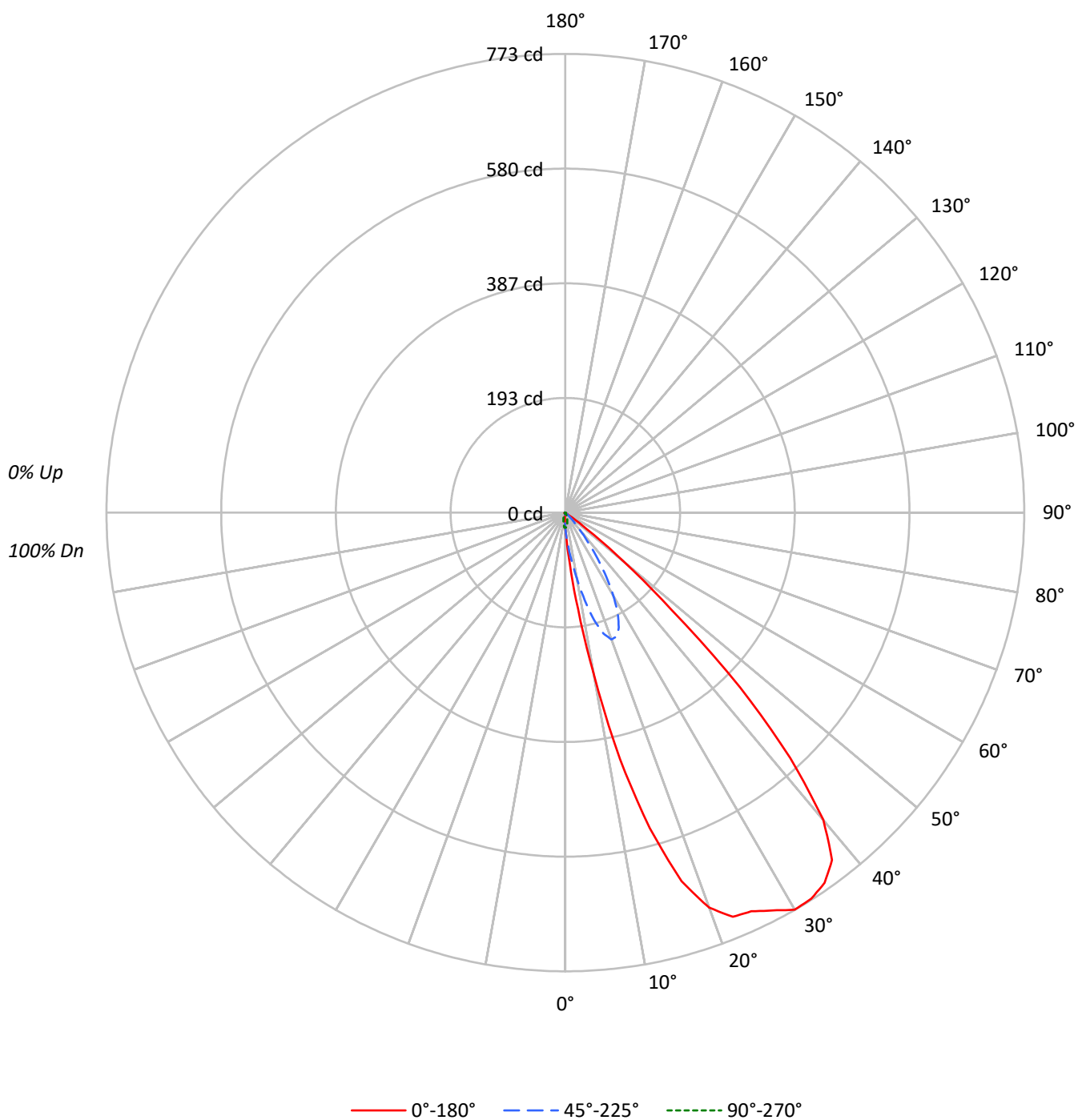
Lumens per Lamp: N/A
Luminaire Lumens: 243.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335413

CATALOG NUMBER: P3A02R359730DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1335413

CATALOG NUMBER: P3A02R359730DE010 E3CA301MW

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	50	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°	5592	5592	5592	5592	5592
5°	19062	12393	5239	2201	1629
10°	61344	25116	4119	824	534
15°	124995	42588	2929	295	204
20°	165284	53041	1890	93	93
25°	179333	51559	1065	48	97
30°	195625	41095	430	51	101
35°	203848	25565	107	54	107
40°	193448	11164	57	115	200
45°	129130	4466	62	217	341
50°	43325	751	136	307	443
55°	2409	76	153	421	573
60°	175	88	307	482	658
65°	208	104	363	571	778
70°	128	128	449	705	833
75°	169	169	593	763	932
80°	0	253	884	884	884
85°	0	503	1761	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 129130 cd/sqm

TEST NUMBER: P1335413

CATALOG NUMBER: P3A02R359730DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	1.8
10°-20°	34.9	14.4
20°-30°	73.7	30.3
30°-40°	83.6	34.4
40°-50°	41.1	16.9
50°-60°	3.6	1.5
60°-70°	0.7	0.3
70°-80°	0.7	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°	113.0	46.5
0°-40°	196.6	80.9
0°-60°	241.3	99.3
0°-90°	243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	87	56	24	10	7	14
15°	551	188	13	1	1	157
25°	741	213	4	0	0	345
35°	762	96	0	0	0	469
45°	416	14	0	1	1	308
55°	6	0	0	1	2	25
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: P1335413

CATALOG NUMBER: P3A02R359730DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
2.5°	44.3	45.4	44.9	44.7	44.5	43.6	41.7	41.4	39.5	38.2	31.6
5°	86.6	84.9	85.3	82.9	79.8	75.5	72.6	66.5	61.5	56.3	36.9
7.5°	163.2	160.8	156.2	149.2	142.0	132.6	118.4	107.1	94.0	81.6	41.0
10°	275.5	274.2	268.3	250.4	234.7	209.6	186.1	161.2	136.8	112.8	43.8
12.5°	425.6	416.6	405.9	382.2	351.2	319.8	273.3	230.3	191.3	151.2	44.1
15°	550.6	544.9	529.8	498.9	461.6	416.2	361.0	303.2	244.3	187.6	41.9
17.5°	651.1	642.4	623.0	592.7	549.7	490.8	426.2	355.8	284.0	213.6	38.2
20°	708.3	703.7	688.9	658.5	611.6	547.3	473.8	391.8	308.9	227.3	33.4
22.5°	737.1	733.8	722.9	698.7	654.8	590.0	505.8	410.5	316.1	225.8	28.4
25°	741.2	740.3	731.0	712.6	676.0	611.9	519.8	414.0	310.2	213.1	23.6
27.5°	755.6	752.6	741.4	723.1	686.2	615.6	515.0	402.0	291.2	190.9	19.6
30°	772.6	770.4	759.3	740.3	696.7	612.1	498.0	375.4	260.9	162.3	14.6
32.5°	771.3	770.4	761.1	741.0	689.3	591.6	467.7	335.5	219.7	128.0	9.2
35°	761.5	758.4	746.7	715.7	647.0	538.8	410.1	281.4	173.9	95.5	5.9
37.5°	737.9	731.4	711.5	659.0	571.3	457.4	334.0	217.3	123.0	63.9	3.7
40°	675.8	667.5	627.6	564.1	472.3	360.4	248.5	149.4	81.1	39.0	1.5
42.5°	560.6	543.8	503.9	438.7	352.5	254.8	163.2	96.9	47.8	23.6	0.4
45°	416.4	403.5	361.7	302.5	231.0	163.4	98.8	52.4	26.4	14.4	0.2
47.5°	242.6	234.7	213.1	174.3	127.6	85.7	50.6	28.1	15.5	7.0	0.2
50°	127.0	117.1	100.8	76.3	56.3	39.5	24.6	15.1	7.6	2.2	0.2
52.5°	44.5	43.8	39.9	30.1	24.4	17.7	12.0	6.5	2.2	0.4	0.2
55°	6.3	6.3	5.9	6.5	7.0	6.3	4.1	1.7	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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: P1335413

CATALOG NUMBER: P3A02R359730DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	25.5	25.5	25.5	25.5	25.5
2.5°	25.3	20.3	16.1	14.2	13.5
5°	23.8	15.3	10.0	7.9	7.4
7.5°	21.2	10.9	6.1	4.4	4.1
10°	18.5	7.9	3.7	2.6	2.4
12.5°	15.5	5.5	2.4	1.5	1.3
15°	12.9	3.7	1.3	1.1	0.9
17.5°	10.3	2.4	0.9	0.7	0.9
20°	8.1	1.5	0.4	0.4	0.4
22.5°	6.1	0.9	0.4	0.4	0.4
25°	4.4	0.4	0.2	0.2	0.4
27.5°	3.1	0.2	0.2	0.2	0.4
30°	1.7	0.2	0.2	0.2	0.4
32.5°	0.9	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.7
40°	0.2	0.2	0.4	0.7	0.7
42.5°	0.2	0.2	0.4	0.7	0.9
45°	0.2	0.4	0.7	0.9	1.1
47.5°	0.4	0.4	0.9	1.1	1.3
50°	0.4	0.7	0.9	1.3	1.3
52.5°	0.4	0.7	1.1	1.3	1.5
55°	0.4	0.9	1.1	1.5	1.5
57.5°	0.7	0.9	1.1	1.5	1.5
60°	0.7	0.9	1.1	1.5	1.5
62.5°	0.7	0.9	1.1	1.5	1.5
65°	0.7	0.9	1.1	1.5	1.5
67.5°	0.7	0.9	1.1	1.3	1.5
70°	0.7	0.9	1.1	1.3	1.3
72.5°	0.9	0.9	1.1	1.3	1.3
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	0.4	0.4	0.7	0.7
85°	0.7	0.4	0.2	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)