

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: P1334997

Luminaire Tested: P3A02R309030DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309030DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

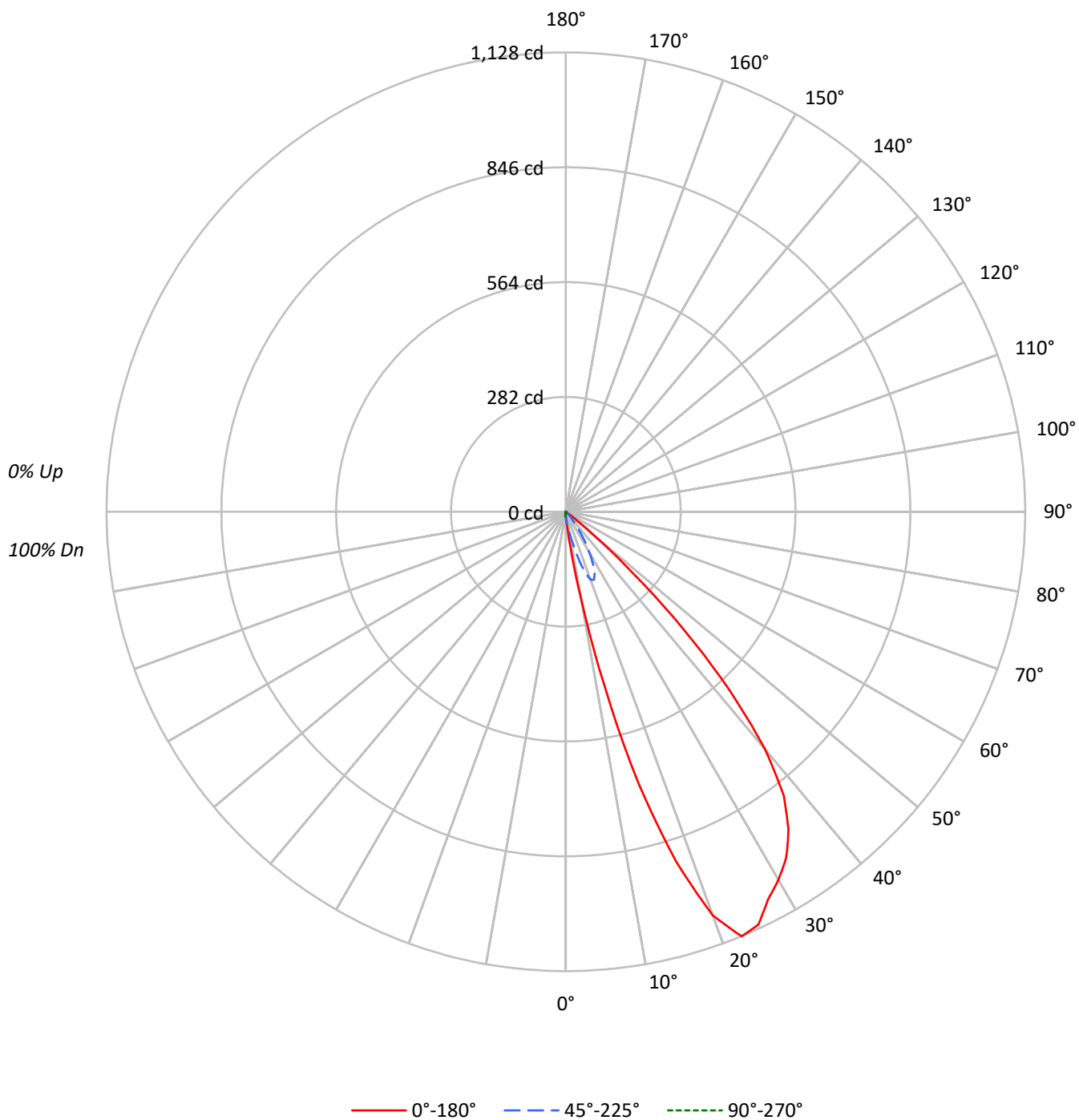
Lumens per Lamp: N/A
Luminaire Lumens: 265.9 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1334997

CATALOG NUMBER: P3A02R309030DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1334997

CATALOG NUMBER: P3A02R309030DE010 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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2763	2763	2763	2763	2763
5°	8342	5569	2619	1167	969
10°	48340	11801	2049	534	379
15°	157209	26765	1430	114	45
20°	246001	41397	910	0	0
25°	270645	40454	460	0	0
30°	264344	29169	177	0	0
35°	255138	16597	54	0	0
40°	217579	7013	0	0	0
45°	127672	2636	62	0	62
50°	31010	512	68	68	239
55°	2676	0	191	268	382
60°	88	0	219	307	526
65°	104	104	363	363	623
70°	128	128	449	449	641
75°	0	169	593	593	593
80°	0	253	884	631	631
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 127672 cd/sqm

TEST NUMBER: P1334997

CATALOG NUMBER: P3A02R309030DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	36.6	13.7
20°-30°	92.9	34.9
30°-40°	92.6	34.8
40°-50°	37.5	14.1
50°-60°	2.6	1.0
60°-70°	0.6	0.2
70°-80°	0.6	0.2
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°	131.8	49.6
0°-40°	224.4	84.4
0°-60°	264.5	99.5
0°-90°	265.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	38	25	12	5	4	9
15°	692	118	6	0	0	202
25°	1119	167	2	0	0	505
35°	953	62	0	0	0	584
45°	412	8	0	0	0	314
55°	7	0	0	1	1	18
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	



TEST NUMBER: P1334997

CATALOG NUMBER: P3A02R309030DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
2.5°	20.9	21.1	21.1	20.7	20.4	20.4	19.7	19.4	18.7	18.0	15.6
5°	37.9	37.2	36.2	36.2	34.0	32.8	31.1	29.2	27.7	25.3	18.0
7.5°	86.0	80.2	78.5	76.3	68.1	61.5	54.0	47.4	41.3	36.2	19.9
10°	217.1	205.6	196.2	176.9	152.9	129.8	108.4	83.6	66.6	53.0	21.4
12.5°	437.3	422.0	403.7	368.7	323.8	266.2	215.1	160.7	112.8	78.0	21.9
15°	692.5	666.5	638.0	593.6	519.9	437.3	345.1	258.4	181.1	117.9	21.4
17.5°	900.5	890.3	848.3	787.5	697.3	590.9	477.4	358.8	244.3	154.3	19.9
20°	1054.2	1047.1	996.3	931.7	830.1	708.0	563.9	421.5	288.3	177.4	17.7
22.5°	1128.3	1127.1	1090.4	1024.3	916.6	778.3	619.6	457.7	301.9	180.6	14.8
25°	1118.6	1123.0	1102.0	1052.9	949.6	807.2	636.1	457.7	291.9	167.2	12.4
27.5°	1074.3	1077.3	1064.1	1026.5	930.2	786.3	613.0	428.3	263.0	143.7	10.2
30°	1044.0	1045.2	1028.9	988.5	886.5	738.7	558.6	373.8	219.2	115.2	7.5
32.5°	1007.0	1006.8	987.8	941.6	829.1	671.8	489.5	308.9	168.4	87.5	4.4
35°	953.1	947.0	921.2	868.0	743.5	581.9	401.3	235.3	121.3	62.0	2.7
37.5°	878.9	863.1	826.7	755.4	623.5	456.2	297.5	165.3	82.9	41.1	1.7
40°	760.1	743.3	693.7	607.2	471.5	328.4	200.5	107.7	52.3	24.5	1.0
42.5°	596.0	584.6	517.7	431.4	311.4	209.5	120.6	63.7	29.4	14.1	0.2
45°	411.7	396.9	344.4	271.3	186.9	116.2	67.6	33.3	16.8	8.5	0.0
47.5°	227.3	209.0	178.7	140.5	94.1	61.0	34.0	18.0	9.5	4.1	0.0
50°	90.9	90.2	71.7	51.0	36.0	27.7	17.0	9.7	4.9	1.5	0.2
52.5°	31.8	31.8	27.5	22.4	17.5	12.6	8.5	4.6	1.7	0.5	0.2
55°	7.0	7.8	7.3	6.8	6.6	5.6	3.6	1.7	0.5	0.0	0.2
57.5°	0.7	0.7	0.7	1.0	1.2	1.2	1.0	0.5	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.5
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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: P1334997

CATALOG NUMBER: P3A02R309030DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.6	12.6	12.6	12.6	12.6
2.5°	12.6	10.0	8.3	7.3	7.0
5°	11.9	7.5	5.3	4.6	4.4
7.5°	10.7	5.6	3.6	2.9	2.7
10°	9.2	4.1	2.4	1.7	1.7
12.5°	7.8	3.2	1.5	0.7	0.5
15°	6.3	1.9	0.5	0.2	0.2
17.5°	4.9	1.2	0.0	0.0	0.0
20°	3.9	0.5	0.0	0.0	0.0
22.5°	2.9	0.2	0.0	0.0	0.0
25°	1.9	0.0	0.0	0.0	0.0
27.5°	1.2	0.0	0.0	0.0	0.0
30°	0.7	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.5	0.5
50°	0.2	0.2	0.2	0.5	0.7
52.5°	0.5	0.2	0.5	0.7	0.7
55°	0.5	0.5	0.7	1.0	1.0
57.5°	0.5	0.5	0.7	1.0	1.0
60°	0.5	0.5	0.7	1.0	1.2
62.5°	0.7	0.7	0.7	1.0	1.0
65°	0.7	0.7	0.7	1.0	1.2
67.5°	0.7	0.7	0.7	1.0	1.2
70°	0.7	0.7	0.7	1.0	1.0
72.5°	1.0	0.7	0.7	1.0	1.0
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.5	0.7	0.7
80°	0.7	0.5	0.5	0.5	0.5
82.5°	0.7	0.5	0.5	0.5	0.5
85°	0.7	0.5	0.2	0.2	0.2
87.5°	0.7	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)