

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: P1335301

Luminaire Tested: P3A02R359027DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335301
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: P3A02R359027DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

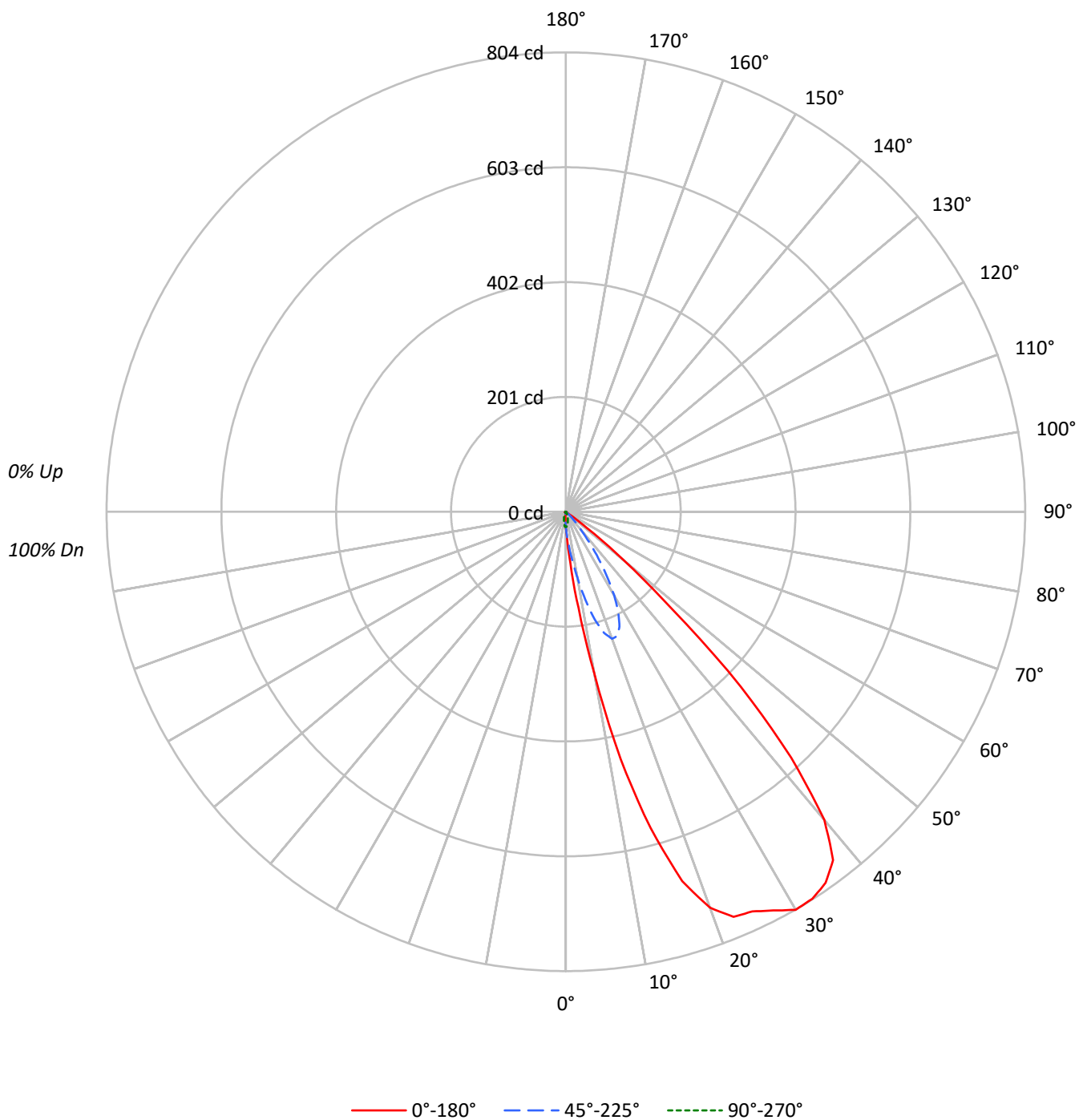
Lumens per Lamp: N/A
Luminaire Lumens: 253.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335301

CATALOG NUMBER: P3A02R359027DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1335301

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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	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°	5833	5833	5833	5833	5833
5°	19855	12899	5459	2289	1695
10°	63860	26141	4297	868	557
15°	130126	44336	3042	318	204
20°	172075	55211	1960	117	117
25°	186712	53689	1089	48	121
30°	203677	42791	456	51	127
35°	212226	26635	134	54	134
40°	201406	11650	57	143	200
45°	134464	4652	62	217	341
50°	45099	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: 134464 cd/sqm

TEST NUMBER: P1335301

CATALOG NUMBER: P3A02R359027DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	1.8
10°-20°	36.3	14.4
20°-30°	76.7	30.3
30°-40°	87.0	34.4
40°-50°	42.8	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°	117.6	46.5
0°-40°	204.7	80.9
0°-60°	251.2	99.3
0°-90°	253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	90	59	25	10	8	15
15°	573	195	13	1	1	163
25°	772	222	4	0	0	359
35°	793	100	0	0	0	489
45°	434	15	0	1	1	320
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: P1335301

CATALOG NUMBER: P3A02R359027DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
2.5°	46.1	47.2	46.8	46.6	46.3	45.4	43.4	43.2	41.1	39.7	32.9
5°	90.2	88.3	88.8	86.3	83.1	78.6	75.6	69.3	64.0	58.6	38.4
7.5°	169.9	167.4	162.6	155.3	147.8	138.1	123.3	111.5	97.9	84.9	42.7
10°	286.8	285.5	279.3	260.7	244.4	218.3	193.7	167.8	142.4	117.4	45.6
12.5°	443.1	433.8	422.6	397.9	365.6	332.9	284.6	239.8	199.2	157.4	45.9
15°	573.2	567.3	551.6	519.4	480.6	433.3	375.9	315.7	254.4	195.3	43.6
17.5°	677.9	668.8	648.6	617.1	572.3	511.0	443.8	370.4	295.7	222.3	39.7
20°	737.4	732.7	717.2	685.6	636.8	569.8	493.3	407.9	321.6	236.6	34.7
22.5°	767.4	764.0	752.6	727.4	681.8	614.3	526.7	427.4	329.1	235.1	29.5
25°	771.7	770.8	761.0	742.0	703.8	637.0	541.2	431.1	322.9	221.9	24.5
27.5°	786.7	783.5	771.9	752.9	714.5	640.9	536.2	418.6	303.2	198.7	20.4
30°	804.4	802.1	790.6	770.8	725.4	637.3	518.5	390.9	271.6	169.0	15.2
32.5°	803.1	802.1	792.4	771.5	717.7	615.9	486.9	349.3	228.7	133.3	9.5
35°	792.8	789.7	777.4	745.1	673.6	561.0	427.0	293.0	181.0	99.5	6.1
37.5°	768.3	761.5	740.8	686.1	594.8	476.2	347.7	226.2	128.1	66.5	3.9
40°	703.6	695.0	653.4	587.3	491.7	375.2	258.7	155.6	84.5	40.7	1.6
42.5°	583.7	566.2	524.6	456.7	367.0	265.3	169.9	100.8	49.7	24.5	0.5
45°	433.6	420.2	376.5	315.0	240.5	170.1	102.9	54.5	27.5	15.0	0.2
47.5°	252.5	244.4	221.9	181.5	132.9	89.3	52.7	29.3	16.1	7.3	0.2
50°	132.2	122.0	104.9	79.5	58.6	41.1	25.7	15.7	7.9	2.3	0.2
52.5°	46.3	45.6	41.6	31.3	25.4	18.4	12.5	6.8	2.3	0.5	0.2
55°	6.6	6.6	6.1	6.8	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: P1335301

CATALOG NUMBER: P3A02R359027DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	26.6	26.6	26.6	26.6	26.6
2.5°	26.3	21.1	16.8	14.8	14.1
5°	24.8	15.9	10.4	8.2	7.7
7.5°	22.0	11.4	6.4	4.5	4.3
10°	19.3	8.2	3.9	2.7	2.5
12.5°	16.1	5.7	2.5	1.6	1.4
15°	13.4	3.9	1.4	1.1	0.9
17.5°	10.7	2.5	0.9	0.7	0.9
20°	8.4	1.6	0.5	0.5	0.5
22.5°	6.4	0.9	0.5	0.5	0.5
25°	4.5	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)