

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: P1335321

Luminaire Tested: P3A02R359030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335321
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: P3A02R359030DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

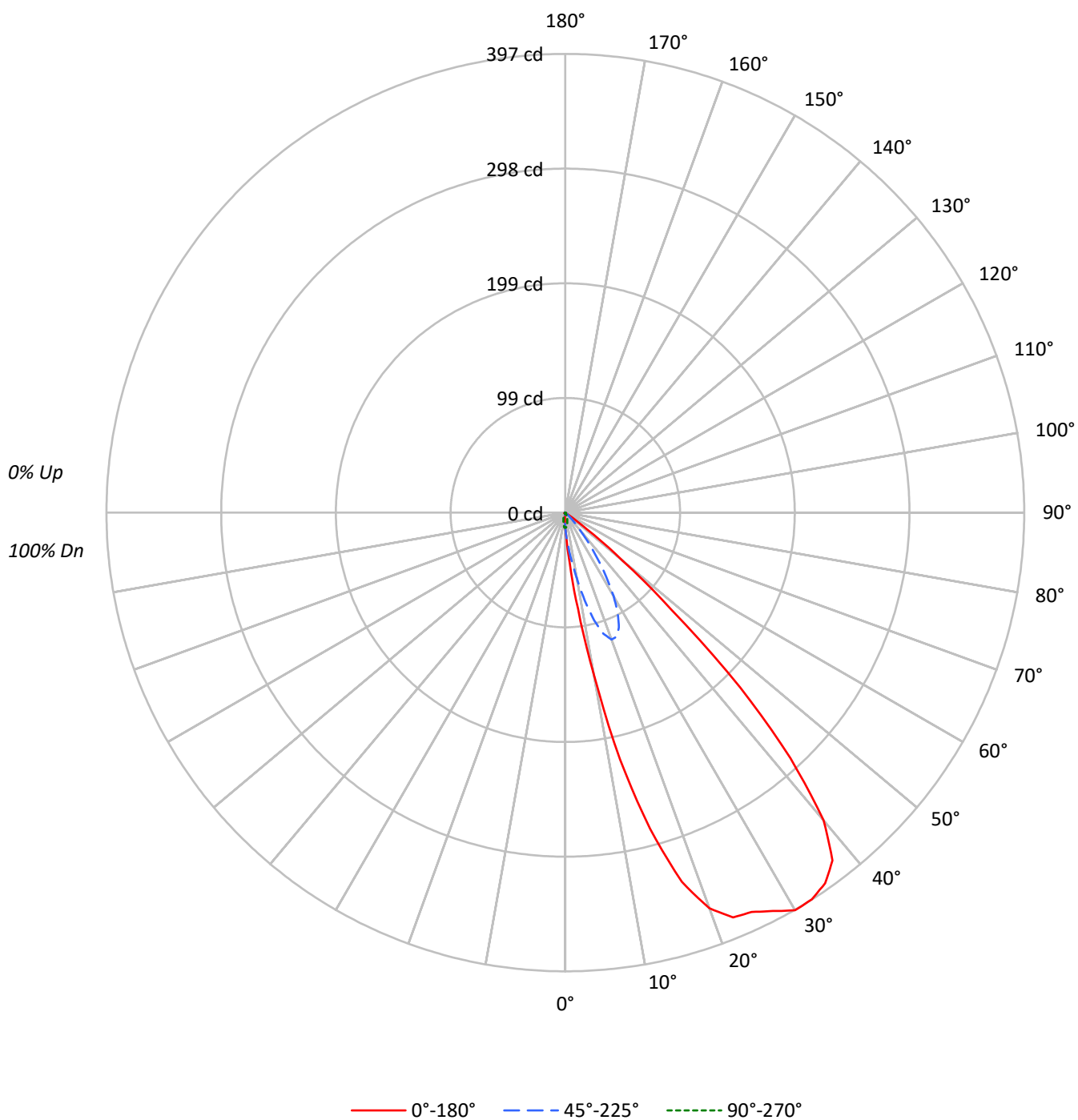
Lumens per Lamp: N/A
Luminaire Lumens: 124.9 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335321

CATALOG NUMBER: P3A02R359030DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1335321

CATALOG NUMBER: P3A02R359030DE010 E3A301GPH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2873	2873	2873	2873	2873
5°	9795	6361	2685	1145	836
10°	31551	12914	2115	423	267
15°	64291	21907	1498	159	91
20°	85011	27279	980	47	47
25°	92255	26518	532	24	48
30°	100623	21142	228	25	51
35°	104855	13144	54	27	54
40°	99501	5754	29	57	86
45°	66425	2295	31	93	186
50°	22276	375	68	136	239
55°	1262	38	76	229	306
60°	88	44	132	263	351
65°	104	52	156	311	415
70°	64	64	192	385	449
75°	85	85	254	339	508
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66425 cd/sqm

TEST NUMBER: P1335321

CATALOG NUMBER: P3A02R359030DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	1.8
10°-20°	18.0	14.4
20°-30°	37.9	30.3
30°-40°	43.0	34.4
40°-50°	21.1	16.9
50°-60°	1.8	1.5
60°-70°	0.4	0.3
70°-80°	0.3	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°	58.1	46.5
0°-40°	101.1	80.9
0°-60°	124.1	99.3
0°-90°	124.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	124.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	44	29	12	5	4	7
15°	283	96	7	1	0	81
25°	381	110	2	0	0	177
35°	392	49	0	0	0	241
45°	214	7	0	0	1	158
55°	3	0	0	1	1	13
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: P1335321

CATALOG NUMBER: P3A02R359030DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
2.5°	22.8	23.3	23.1	23.0	22.9	22.4	21.4	21.3	20.3	19.6	16.3
5°	44.5	43.6	43.9	42.6	41.1	38.8	37.4	34.2	31.6	28.9	19.0
7.5°	83.9	82.7	80.3	76.8	73.0	68.2	60.9	55.1	48.4	42.0	21.1
10°	141.7	141.0	138.0	128.8	120.7	107.8	95.7	82.9	70.4	58.0	22.6
12.5°	218.9	214.3	208.8	196.6	180.7	164.5	140.6	118.5	98.4	77.8	22.7
15°	283.2	280.3	272.6	256.6	237.4	214.1	185.7	156.0	125.7	96.5	21.5
17.5°	334.9	330.5	320.5	304.9	282.8	252.5	219.3	183.0	146.1	109.9	19.6
20°	364.3	362.0	354.4	338.8	314.6	281.5	243.7	201.5	158.9	116.9	17.2
22.5°	379.2	377.5	371.9	359.4	336.8	303.5	260.2	211.2	162.6	116.1	14.6
25°	381.3	380.8	376.0	366.6	347.7	314.7	267.4	213.0	159.6	109.6	12.1
27.5°	388.7	387.1	381.4	372.0	353.0	316.7	264.9	206.8	149.8	98.2	10.1
30°	397.4	396.3	390.6	380.8	358.4	314.9	256.2	193.1	134.2	83.5	7.5
32.5°	396.8	396.3	391.5	381.2	354.6	304.3	240.6	172.6	113.0	65.9	4.7
35°	391.7	390.1	384.1	368.2	332.8	277.2	211.0	144.7	89.4	49.1	3.0
37.5°	379.6	376.2	366.0	339.0	293.9	235.3	171.8	111.8	63.3	32.9	1.9
40°	347.6	343.4	322.8	290.2	242.9	185.4	127.8	76.9	41.7	20.1	0.8
42.5°	288.4	279.7	259.2	225.7	181.3	131.1	83.9	49.8	24.6	12.1	0.2
45°	214.2	207.6	186.0	155.6	118.8	84.0	50.8	26.9	13.6	7.4	0.1
47.5°	124.8	120.7	109.6	89.7	65.6	44.1	26.0	14.5	8.0	3.6	0.1
50°	65.3	60.3	51.8	39.3	28.9	20.3	12.7	7.7	3.9	1.1	0.1
52.5°	22.9	22.6	20.5	15.5	12.6	9.1	6.2	3.4	1.1	0.2	0.1
55°	3.3	3.3	3.0	3.4	3.6	3.3	2.1	0.9	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	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	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
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: P1335321

CATALOG NUMBER: P3A02R359030DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	13.1	13.1	13.1	13.1	13.1
2.5°	13.0	10.4	8.3	7.3	7.0
5°	12.2	7.9	5.2	4.0	3.8
7.5°	10.9	5.6	3.1	2.2	2.1
10°	9.5	4.0	1.9	1.3	1.2
12.5°	8.0	2.8	1.2	0.8	0.7
15°	6.6	1.9	0.7	0.6	0.4
17.5°	5.3	1.2	0.4	0.3	0.4
20°	4.2	0.8	0.2	0.2	0.2
22.5°	3.1	0.4	0.2	0.2	0.2
25°	2.2	0.2	0.1	0.1	0.2
27.5°	1.6	0.1	0.1	0.1	0.2
30°	0.9	0.1	0.1	0.1	0.2
32.5°	0.4	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	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.6
47.5°	0.2	0.2	0.4	0.6	0.7
50°	0.2	0.3	0.4	0.7	0.7
52.5°	0.2	0.3	0.6	0.7	0.8
55°	0.2	0.4	0.6	0.8	0.8
57.5°	0.3	0.4	0.6	0.8	0.8
60°	0.3	0.4	0.6	0.8	0.8
62.5°	0.3	0.4	0.6	0.8	0.8
65°	0.3	0.4	0.6	0.8	0.8
67.5°	0.3	0.4	0.6	0.7	0.8
70°	0.3	0.4	0.6	0.7	0.7
72.5°	0.4	0.4	0.6	0.7	0.7
75°	0.3	0.4	0.4	0.6	0.6
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	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)