

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: P1335769

Luminaire Tested: P3A02R409740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R409740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

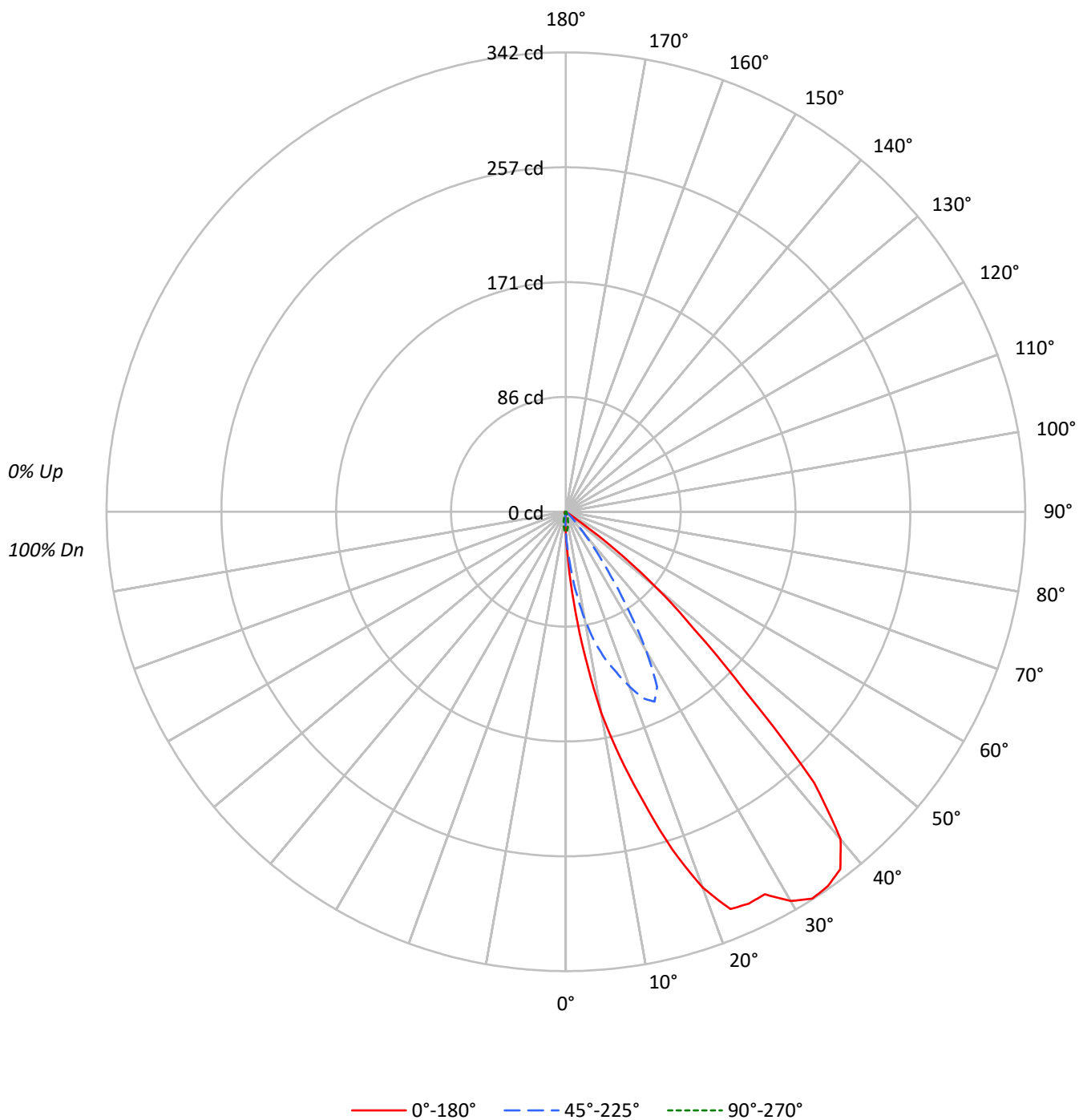
Lumens per Lamp: N/A
Luminaire Lumens: 125.9 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335769

CATALOG NUMBER: P3A02R409740DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1335769

CATALOG NUMBER: P3A02R409740DE010 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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3267	3267	3267	3267	3267
5°	14748	9399	2928	1123	814
10°	33823	18169	2071	401	312
15°	50738	25766	1271	227	204
20°	69493	32296	747	117	140
25°	77884	37744	387	97	121
30°	84722	30460	152	76	127
35°	91042	15606	54	107	161
40°	91085	6212	29	115	200
45°	58146	2078	62	186	310
50°	30191	239	102	239	375
55°	2600	38	115	344	459
60°	88	44	132	395	526
65°	104	52	208	363	571
70°	64	64	256	385	577
75°	85	85	254	424	593
80°	126	126	379	379	505
85°	0	252	755	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58146 cd/sqm

TEST NUMBER: P1335769

CATALOG NUMBER: P3A02R409740DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	2.3
10°-20°	17.1	13.5
20°-30°	37.3	29.7
30°-40°	42.5	33.8
40°-50°	22.4	17.8
50°-60°	2.6	2.1
60°-70°	0.5	0.4
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°	57.3	45.5
0°-40°	99.8	79.3
0°-60°	124.9	99.2
0°-90°	125.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	125.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	67	43	13	5	4	9
15°	224	114	6	1	1	66
25°	322	156	2	0	0	148
35°	340	58	0	0	1	211
45°	188	7	0	1	1	151
55°	7	0	0	1	1	21
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: P1335769

CATALOG NUMBER: P3A02R409740DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
2.5°	33.2	33.2	33.1	32.2	32.1	31.9	30.2	29.8	27.8	26.4	20.1
5°	67.0	65.5	65.4	63.7	60.8	57.0	54.5	50.6	46.8	42.7	24.8
7.5°	106.7	108.0	104.5	102.7	96.3	91.7	84.7	78.5	69.9	61.8	28.6
10°	151.9	149.6	146.1	142.6	135.7	127.5	117.0	106.1	93.6	81.6	30.8
12.5°	187.1	184.2	182.1	177.3	170.5	160.0	147.5	132.8	116.3	98.9	30.7
15°	223.5	220.7	215.9	211.6	201.5	189.7	176.1	156.8	136.5	113.5	28.4
17.5°	263.6	259.8	254.5	248.0	238.2	225.1	208.0	184.3	155.7	125.4	24.4
20°	297.8	295.5	290.2	282.5	272.9	260.2	240.4	214.2	179.2	138.4	19.4
22.5°	320.1	318.1	314.5	307.8	300.5	286.9	268.8	240.0	198.9	150.3	14.7
25°	321.9	321.1	320.1	317.9	313.5	303.8	286.1	255.2	211.2	156.0	10.9
27.5°	321.0	320.7	320.4	319.3	316.4	306.8	288.7	257.4	209.6	147.1	8.0
30°	334.6	333.6	333.1	329.3	321.7	306.9	283.3	245.4	186.3	120.3	5.8
32.5°	341.5	341.3	340.8	337.1	326.4	307.1	274.1	216.3	147.7	86.9	3.9
35°	340.1	339.1	337.2	330.2	315.4	291.3	244.5	172.7	106.6	58.3	2.6
37.5°	335.5	333.0	329.3	316.8	297.1	264.1	198.3	127.2	72.5	37.7	1.5
40°	318.2	314.9	309.0	293.8	267.9	217.7	146.6	85.9	47.6	21.7	0.4
42.5°	273.6	269.3	265.1	248.0	218.4	162.3	96.5	53.1	27.2	11.9	0.1
45°	187.5	182.2	176.4	164.0	140.3	98.3	57.4	29.9	14.1	6.7	0.1
47.5°	130.2	127.8	117.6	101.8	78.1	52.1	29.7	14.7	7.5	3.1	0.1
50°	88.5	85.7	73.8	58.6	41.5	24.9	13.6	7.3	3.3	0.7	0.1
52.5°	46.4	43.0	35.5	27.0	16.8	10.4	6.0	3.2	1.0	0.1	0.1
55°	6.8	6.3	5.1	4.2	3.7	2.9	1.7	0.7	0.1	0.1	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3
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	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3
80°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3
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: P1335769

CATALOG NUMBER: P3A02R409740DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	14.9	14.9	14.9	14.9	14.9
2.5°	14.7	10.9	8.4	7.2	7.1
5°	13.3	7.8	5.1	3.9	3.7
7.5°	11.3	5.4	3.0	2.1	2.0
10°	9.3	3.7	1.8	1.5	1.4
12.5°	7.3	2.4	1.3	1.2	1.1
15°	5.6	1.6	1.0	0.9	0.9
17.5°	4.3	1.1	0.7	0.7	0.7
20°	3.2	0.7	0.5	0.6	0.6
22.5°	2.2	0.5	0.4	0.5	0.5
25°	1.6	0.4	0.4	0.5	0.5
27.5°	1.1	0.3	0.3	0.4	0.5
30°	0.6	0.2	0.3	0.4	0.5
32.5°	0.3	0.2	0.3	0.5	0.5
35°	0.2	0.3	0.4	0.5	0.6
37.5°	0.1	0.3	0.4	0.6	0.6
40°	0.1	0.3	0.4	0.6	0.7
42.5°	0.2	0.4	0.5	0.7	0.9
45°	0.2	0.4	0.6	0.9	1.0
47.5°	0.2	0.4	0.7	1.0	1.0
50°	0.3	0.5	0.7	1.0	1.1
52.5°	0.3	0.5	0.7	1.1	1.2
55°	0.3	0.5	0.9	1.1	1.2
57.5°	0.3	0.6	0.9	1.1	1.2
60°	0.3	0.5	0.9	1.1	1.2
62.5°	0.4	0.5	0.7	1.1	1.1
65°	0.4	0.5	0.7	1.1	1.1
67.5°	0.4	0.5	0.7	1.0	1.0
70°	0.4	0.5	0.6	0.9	0.9
72.5°	0.4	0.5	0.6	0.7	0.9
75°	0.3	0.4	0.5	0.6	0.7
77.5°	0.3	0.4	0.4	0.6	0.6
80°	0.3	0.3	0.3	0.4	0.4
82.5°	0.3	0.3	0.2	0.3	0.3
85°	0.3	0.2	0.2	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)