

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: P1335817

Luminaire Tested: P3A02R409835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335817
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: P3A02R409835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

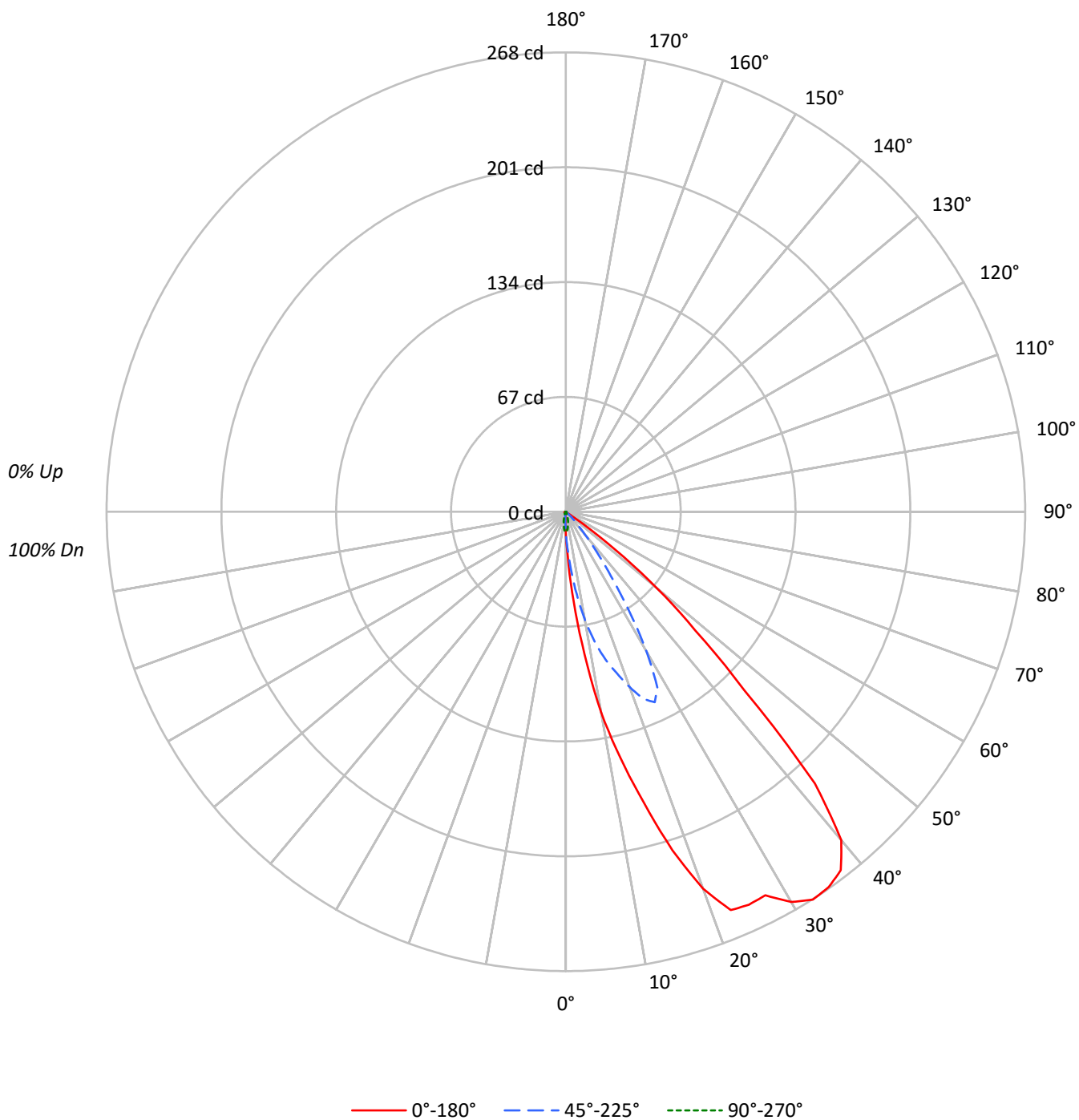
Lumens per Lamp: N/A
Luminaire Lumens: 99.1 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	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	76	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	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	51	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°	2566	2566	2566	2566	2566
5°	11578	7396	2311	880	638
10°	26564	14273	1625	312	245
15°	39864	20250	999	182	159
20°	54581	25389	583	93	117
25°	61189	29663	315	73	97
30°	66567	23953	127	76	101
35°	71554	12260	54	80	134
40°	71563	4895	29	86	172
45°	45679	1644	62	155	248
50°	23709	205	102	205	273
55°	2064	38	115	268	344
60°	88	44	132	307	395
65°	104	52	156	311	415
70°	64	64	192	321	449
75°	85	85	254	339	508
80°	126	126	379	379	379
85°	0	252	755	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	2.3
10°-20°	13.4	13.5
20°-30°	29.3	29.6
30°-40°	33.4	33.8
40°-50°	17.6	17.8
50°-60°	2.1	2.1
60°-70°	0.4	0.4
70°-80°	0.3	0.3
80°-90°	0.2	0.2
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°	45.0	45.5
0°-40°	78.5	79.2
0°-60°	98.2	99.1
0°-90°	99.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	99.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	53	34	10	4	3	7
15°	176	89	4	1	1	52
25°	253	123	1	0	0	117
35°	267	46	0	0	0	166
45°	147	5	0	0	1	119
55°	5	0	0	1	1	17
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
2.5°	26.1	26.1	26.0	25.3	25.2	25.1	23.8	23.4	21.8	20.8	15.8
5°	52.6	51.5	51.4	50.0	47.8	44.8	42.8	39.7	36.7	33.6	19.5
7.5°	83.8	84.8	82.1	80.7	75.6	72.0	66.5	61.7	54.9	48.5	22.5
10°	119.3	117.6	114.8	112.0	106.6	100.2	92.0	83.3	73.5	64.1	24.2
12.5°	147.0	144.8	143.1	139.3	134.0	125.7	115.9	104.3	91.4	77.7	24.1
15°	175.6	173.4	169.6	166.3	158.3	149.0	138.4	123.2	107.3	89.2	22.3
17.5°	207.1	204.2	200.0	194.9	187.2	176.9	163.4	144.8	122.3	98.6	19.2
20°	233.9	232.2	228.0	222.0	214.5	204.4	188.9	168.3	140.8	108.8	15.2
22.5°	251.5	249.9	247.1	241.8	236.1	225.4	211.2	188.6	156.3	118.1	11.5
25°	252.9	252.3	251.5	249.8	246.3	238.7	224.8	200.5	165.9	122.6	8.5
27.5°	252.2	251.9	251.8	250.9	248.6	241.1	226.8	202.2	164.7	115.6	6.3
30°	262.9	262.1	261.7	258.7	252.8	241.1	222.6	192.8	146.3	94.6	4.5
32.5°	268.3	268.2	267.8	264.8	256.5	241.3	215.4	169.9	116.1	68.3	3.1
35°	267.3	266.4	264.9	259.5	247.8	228.8	192.1	135.7	83.8	45.8	2.0
37.5°	263.6	261.6	258.7	248.9	233.4	207.5	155.8	99.9	57.0	29.6	1.2
40°	250.0	247.4	242.8	230.9	210.5	171.0	115.2	67.5	37.4	17.1	0.3
42.5°	215.0	211.6	208.3	194.9	171.6	127.5	75.8	41.8	21.3	9.4	0.1
45°	147.3	143.2	138.6	128.9	110.2	77.2	45.1	23.5	11.0	5.3	0.1
47.5°	102.3	100.4	92.4	80.0	61.3	40.9	23.3	11.5	5.9	2.4	0.1
50°	69.5	67.4	58.0	46.0	32.6	19.6	10.7	5.8	2.6	0.6	0.1
52.5°	36.5	33.8	27.9	21.3	13.2	8.2	4.7	2.5	0.8	0.1	0.1
55°	5.4	4.9	4.0	3.3	2.9	2.3	1.3	0.6	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	11.7	11.7	11.7	11.7	11.7
2.5°	11.5	8.5	6.6	5.7	5.6
5°	10.5	6.1	4.0	3.1	2.9
7.5°	8.9	4.3	2.3	1.7	1.6
10°	7.3	2.9	1.4	1.2	1.1
12.5°	5.8	1.9	1.0	0.9	0.8
15°	4.4	1.3	0.8	0.7	0.7
17.5°	3.3	0.8	0.6	0.6	0.6
20°	2.5	0.6	0.4	0.5	0.5
22.5°	1.8	0.4	0.3	0.4	0.4
25°	1.3	0.3	0.3	0.4	0.4
27.5°	0.8	0.3	0.3	0.3	0.4
30°	0.5	0.2	0.3	0.3	0.4
32.5°	0.3	0.2	0.3	0.4	0.4
35°	0.2	0.3	0.3	0.4	0.5
37.5°	0.1	0.3	0.3	0.5	0.5
40°	0.1	0.3	0.3	0.5	0.6
42.5°	0.2	0.3	0.4	0.6	0.7
45°	0.2	0.3	0.5	0.7	0.8
47.5°	0.2	0.3	0.6	0.8	0.8
50°	0.3	0.4	0.6	0.8	0.8
52.5°	0.3	0.4	0.6	0.8	0.9
55°	0.3	0.4	0.7	0.8	0.9
57.5°	0.3	0.5	0.7	0.8	0.9
60°	0.3	0.4	0.7	0.8	0.9
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	0.8	0.8
70°	0.3	0.4	0.5	0.7	0.7
72.5°	0.3	0.4	0.5	0.6	0.7
75°	0.3	0.3	0.4	0.5	0.6
77.5°	0.3	0.3	0.3	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
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)