

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: P1338419

Luminaire Tested: P3A05R359730DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338419
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: P3A05R359730DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

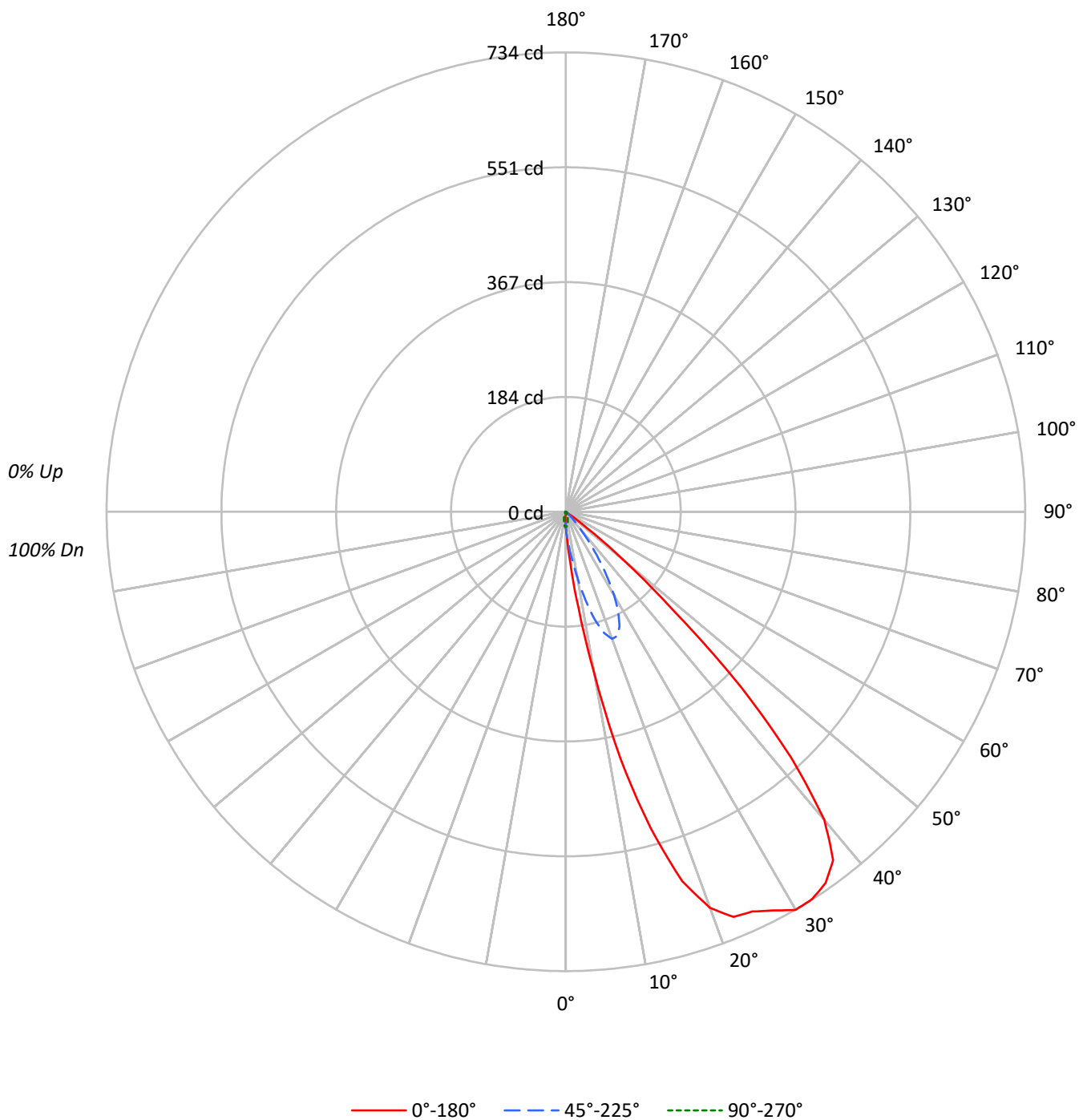
Lumens per Lamp: N/A
Luminaire Lumens: 230.9 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	84	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	51	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°	5329	5329	5329	5329	5329
5°	18116	11776	4975	2091	1563
10°	58316	23870	3919	779	512
15°	118820	40477	2770	272	182
20°	157117	50428	1797	93	93
25°	170478	49019	992	48	97
30°	185978	39069	430	51	101
35°	193782	24306	107	54	107
40°	183887	10620	57	115	172
45°	122772	4249	62	186	310
50°	41176	716	136	273	409
55°	2294	76	153	382	573
60°	175	88	263	439	658
65°	208	104	311	519	778
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 122772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	1.8
10°-20°	33.2	14.4
20°-30°	70.0	30.3
30°-40°	79.4	34.4
40°-50°	39.1	16.9
50°-60°	3.4	1.5
60°-70°	0.7	0.3
70°-80°	0.6	0.3
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°	107.4	46.5
0°-40°	186.9	80.9
0°-60°	229.3	99.3
0°-90°	230.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	82	54	23	10	7	14
15°	523	178	12	1	1	149
25°	705	203	4	0	0	328
35°	724	91	0	0	0	446
45°	396	14	0	1	1	292
55°	6	0	0	1	2	24
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
2.5°	42.1	43.1	42.7	42.5	42.3	41.5	39.6	39.4	37.5	36.3	30.1
5°	82.3	80.7	81.1	78.8	75.9	71.7	69.1	63.2	58.5	53.5	35.0
7.5°	155.1	152.8	148.5	141.8	135.0	126.1	112.6	101.8	89.4	77.6	39.0
10°	261.9	260.7	255.1	238.0	223.1	199.3	176.9	153.2	130.0	107.2	41.7
12.5°	404.6	396.1	385.9	363.3	333.8	304.0	259.8	219.0	181.9	143.7	41.9
15°	523.4	518.0	503.7	474.2	438.8	395.6	343.2	288.2	232.2	178.3	39.8
17.5°	619.0	610.7	592.2	563.4	522.5	466.6	405.2	338.2	270.0	203.0	36.3
20°	673.3	668.9	654.8	626.0	581.4	520.3	450.4	372.4	293.6	216.1	31.7
22.5°	700.7	697.6	687.2	664.2	622.5	560.9	480.9	390.3	300.5	214.6	27.0
25°	704.6	703.8	694.9	677.4	642.6	581.6	494.1	393.6	294.9	202.6	22.4
27.5°	718.3	715.4	704.8	687.4	652.4	585.2	489.6	382.2	276.8	181.4	18.7
30°	734.5	732.4	721.8	703.8	662.3	581.9	473.4	356.9	248.0	154.3	13.9
32.5°	733.2	732.4	723.5	704.4	655.3	562.4	444.6	318.9	208.8	121.7	8.7
35°	723.9	721.0	709.8	680.3	615.0	512.2	389.8	267.5	165.3	90.8	5.6
37.5°	701.5	695.3	676.4	626.4	543.1	434.8	317.5	206.5	117.0	60.8	3.5
40°	642.4	634.5	596.6	536.2	448.9	342.6	236.2	142.0	77.1	37.1	1.5
42.5°	532.9	516.9	479.0	417.0	335.1	242.2	155.1	92.1	45.4	22.4	0.4
45°	395.9	383.6	343.8	287.6	219.6	155.3	93.9	49.8	25.1	13.7	0.2
47.5°	230.6	223.1	202.6	165.7	121.3	81.5	48.1	26.7	14.7	6.6	0.2
50°	120.7	111.4	95.8	72.6	53.5	37.5	23.4	14.3	7.3	2.1	0.2
52.5°	42.3	41.7	37.9	28.6	23.2	16.8	11.4	6.2	2.1	0.4	0.2
55°	6.0	6.0	5.6	6.2	6.6	6.0	3.9	1.7	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	24.3	24.3	24.3	24.3	24.3
2.5°	24.1	19.3	15.3	13.5	12.9
5°	22.6	14.5	9.5	7.5	7.1
7.5°	20.1	10.4	5.8	4.1	3.9
10°	17.6	7.5	3.5	2.5	2.3
12.5°	14.7	5.2	2.3	1.5	1.2
15°	12.2	3.5	1.2	1.0	0.8
17.5°	9.7	2.3	0.8	0.6	0.8
20°	7.7	1.5	0.4	0.4	0.4
22.5°	5.8	0.8	0.4	0.4	0.4
25°	4.1	0.4	0.2	0.2	0.4
27.5°	2.9	0.2	0.2	0.2	0.4
30°	1.7	0.2	0.2	0.2	0.4
32.5°	0.8	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.5
55°	0.4	0.8	1.0	1.5	1.5
57.5°	0.6	0.8	1.0	1.5	1.5
60°	0.6	0.8	1.0	1.5	1.5
62.5°	0.6	0.8	1.0	1.5	1.5
65°	0.6	0.8	1.0	1.5	1.5
67.5°	0.6	0.8	1.0	1.2	1.5
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)