

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: P1335385

Luminaire Tested: P3A02R359727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335385
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: P3A02R359727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

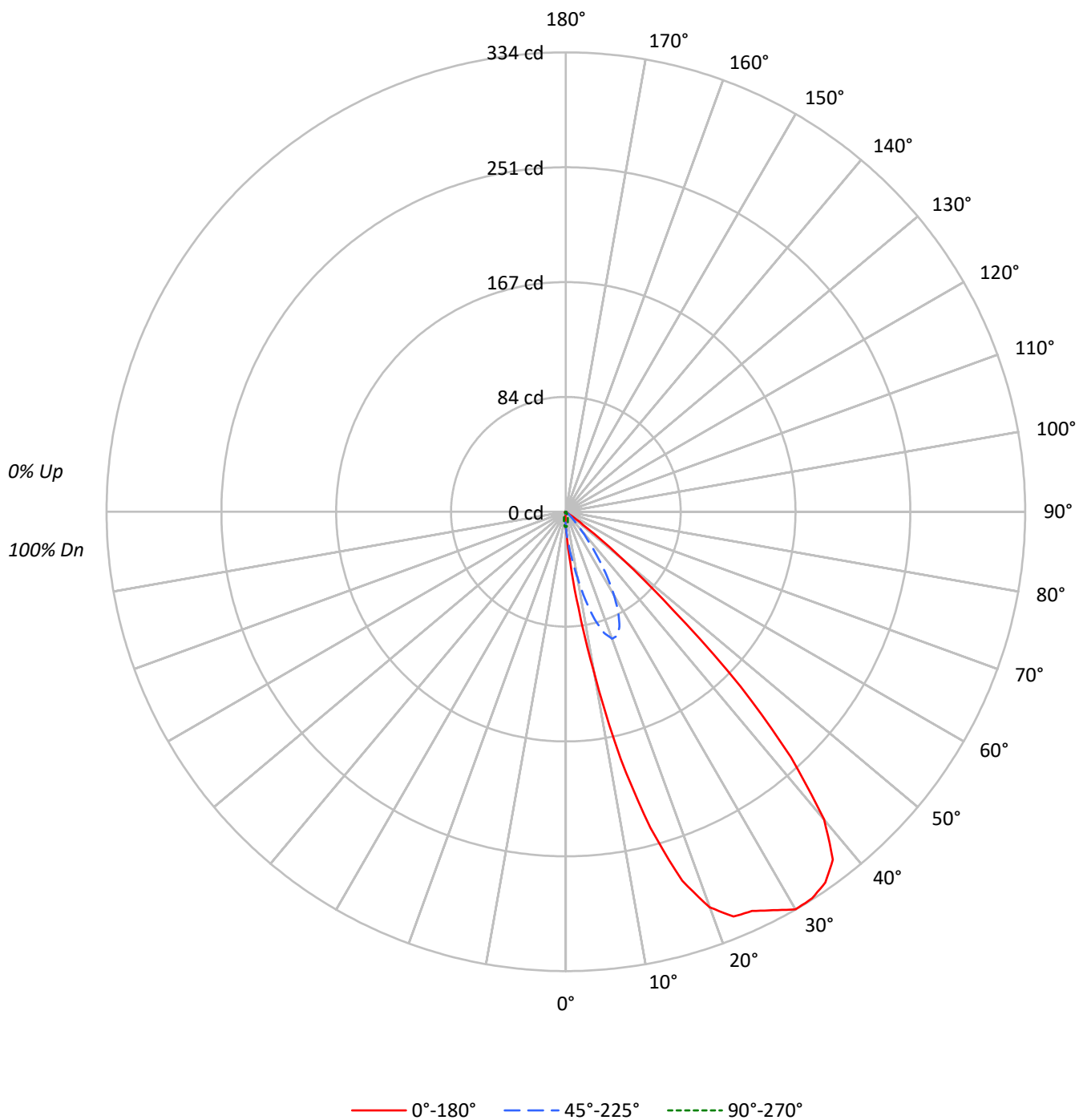
Lumens per Lamp: N/A
Luminaire Lumens: 105.1 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	82	79	85	81	77	82	79	76	76	76	74
4	92	83	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	73	68	63	72	67	63	70	66	62	62	62	60
6	81	70	63	58	79	69	62	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	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2412	2412	2412	2412	2412
5°	8232	5349	2267	947	704
10°	26497	10844	1781	356	223
15°	54007	18411	1271	136	91
20°	71406	22915	817	47	47
25°	77496	22284	460	24	48
30°	84519	17750	203	25	51
35°	88071	11056	54	27	54
40°	83585	4838	29	57	86
45°	55789	1923	31	93	155
50°	18729	307	68	136	205
55°	1032	38	76	191	268
60°	88	44	132	219	307
65°	104	52	156	259	363
70°	64	64	192	321	385
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55789 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	1.8
10°-20°	15.1	14.4
20°-30°	31.8	30.3
30°-40°	36.1	34.4
40°-50°	17.8	16.9
50°-60°	1.6	1.5
60°-70°	0.3	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°	48.8	46.5
0°-40°	84.9	80.8
0°-60°	104.3	99.2
0°-90°	105.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	105.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	37	24	10	4	3	6
15°	238	81	6	1	0	68
25°	320	92	2	0	0	149
35°	329	41	0	0	0	203
45°	180	6	0	0	0	133
55°	3	0	0	0	1	11
65°	0	0	0	0	1	0
75°	0	0	0	0	0	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°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	19.1	19.6	19.4	19.3	19.2	18.9	18.0	17.9	17.1	16.5	13.7
5°	37.4	36.7	36.9	35.8	34.5	32.6	31.4	28.7	26.6	24.3	15.9
7.5°	70.5	69.5	67.5	64.5	61.4	57.3	51.2	46.3	40.6	35.3	17.7
10°	119.0	118.5	115.9	108.2	101.4	90.6	80.4	69.7	59.1	48.7	18.9
12.5°	183.9	180.0	175.4	165.1	151.7	138.2	118.1	99.5	82.7	65.3	19.0
15°	237.9	235.4	228.9	215.6	199.4	179.8	156.0	131.0	105.6	81.1	18.1
17.5°	281.3	277.6	269.2	256.1	237.5	212.1	184.2	153.7	122.7	92.3	16.5
20°	306.0	304.1	297.7	284.6	264.3	236.5	204.7	169.3	133.5	98.2	14.4
22.5°	318.5	317.1	312.4	301.9	283.0	255.0	218.6	177.4	136.6	97.6	12.3
25°	320.3	319.9	315.8	307.9	292.1	264.4	224.6	178.9	134.0	92.1	10.2
27.5°	326.5	325.2	320.4	312.5	296.5	266.0	222.5	173.7	125.8	82.5	8.5
30°	333.8	332.9	328.1	319.9	301.0	264.5	215.2	162.2	112.7	70.1	6.3
32.5°	333.3	332.9	328.9	320.2	297.8	255.6	202.1	145.0	94.9	55.3	4.0
35°	329.0	327.7	322.6	309.2	279.6	232.8	177.2	121.6	75.1	41.3	2.5
37.5°	318.9	316.0	307.5	284.7	246.9	197.7	144.3	93.9	53.2	27.6	1.6
40°	292.0	288.4	271.2	243.7	204.1	155.7	107.4	64.6	35.1	16.9	0.7
42.5°	242.2	235.0	217.7	189.5	152.3	110.1	70.5	41.8	20.6	10.2	0.2
45°	179.9	174.4	156.3	130.7	99.8	70.6	42.7	22.6	11.4	6.2	0.1
47.5°	104.8	101.4	92.1	75.3	55.1	37.0	21.9	12.2	6.7	3.0	0.1
50°	54.9	50.6	43.5	33.0	24.3	17.1	10.7	6.5	3.3	0.9	0.1
52.5°	19.2	18.9	17.2	13.0	10.6	7.6	5.2	2.8	0.9	0.2	0.1
55°	2.7	2.7	2.5	2.8	3.0	2.7	1.8	0.8	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	11.0	11.0	11.0	11.0	11.0
2.5°	10.9	8.8	7.0	6.1	5.8
5°	10.3	6.6	4.3	3.4	3.2
7.5°	9.1	4.7	2.6	1.9	1.8
10°	8.0	3.4	1.6	1.1	1.0
12.5°	6.7	2.4	1.0	0.7	0.6
15°	5.6	1.6	0.6	0.5	0.4
17.5°	4.4	1.0	0.4	0.3	0.4
20°	3.5	0.7	0.2	0.2	0.2
22.5°	2.6	0.4	0.2	0.2	0.2
25°	1.9	0.2	0.1	0.1	0.2
27.5°	1.3	0.1	0.1	0.1	0.2
30°	0.8	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	0.5
47.5°	0.2	0.2	0.4	0.5	0.6
50°	0.2	0.3	0.4	0.6	0.6
52.5°	0.2	0.3	0.5	0.6	0.7
55°	0.2	0.4	0.5	0.7	0.7
57.5°	0.3	0.4	0.5	0.7	0.7
60°	0.3	0.4	0.5	0.7	0.7
62.5°	0.3	0.4	0.5	0.7	0.7
65°	0.3	0.4	0.5	0.7	0.7
67.5°	0.3	0.4	0.5	0.6	0.7
70°	0.3	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.5	0.6	0.6
75°	0.3	0.4	0.4	0.5	0.5
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)