

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: P1335481

Luminaire Tested: P3A02R359835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335481
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: P3A02R359835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

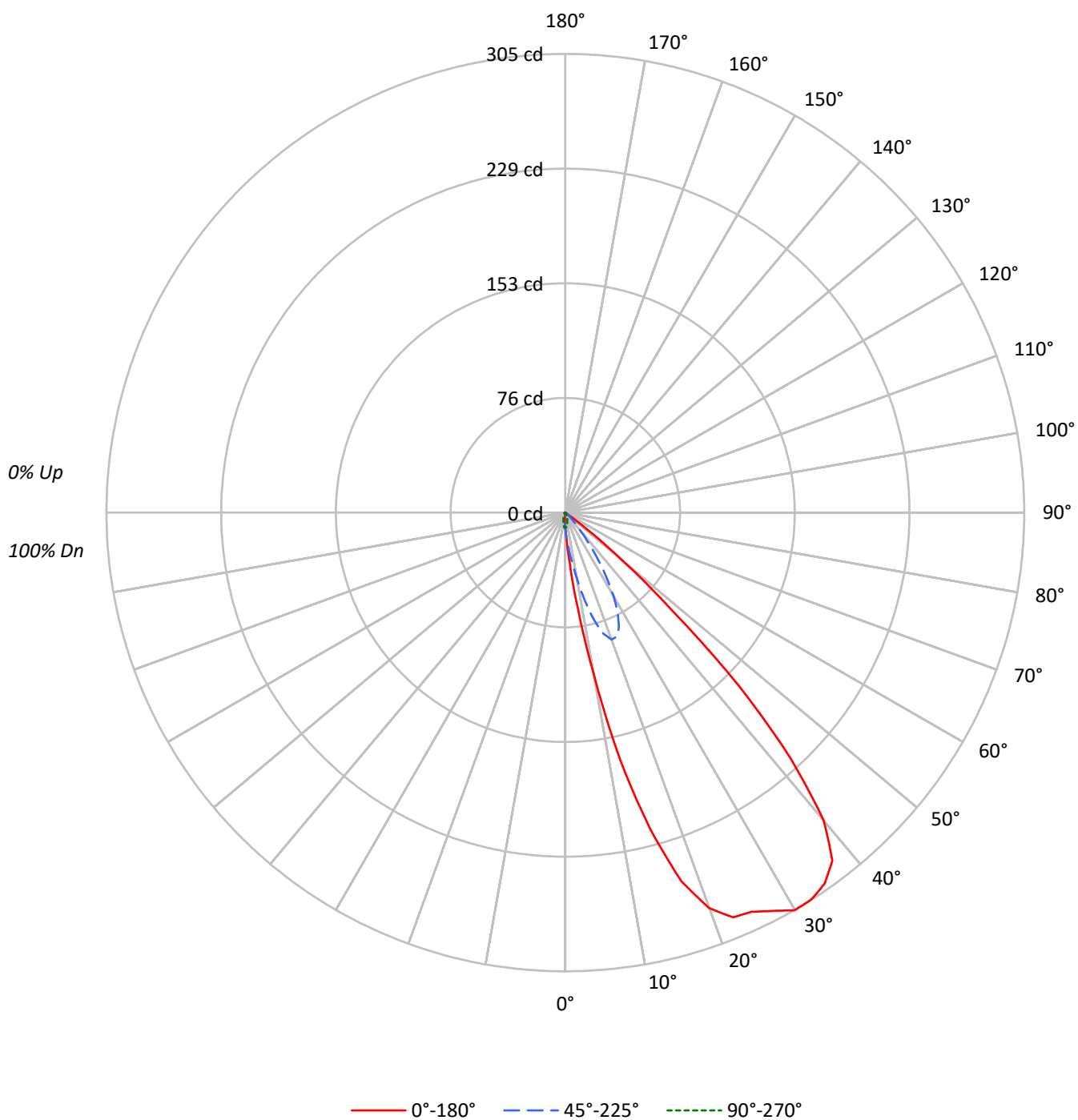
Lumens per Lamp: N/A
Luminaire Lumens: 96.0 lumens
Efficiency: N/A
Efficacy: 26.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	82	79		85	81	77		82	79	76	74
4	92	83	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	60
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	50	44	39	61	50	43	39	49	43	39		48	43	39		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2215	2215	2215	2215	2215
5°	7528	4887	2069	880	638
10°	24226	9931	1625	334	200
15°	49376	16822	1158	114	68
20°	65292	20955	747	47	47
25°	70843	20372	411	24	48
30°	77278	16230	177	25	51
35°	80522	10092	54	27	54
40°	76429	4408	29	57	86
45°	51013	1768	31	93	124
50°	17125	307	68	102	171
55°	956	38	76	153	229
60°	88	44	132	175	263
65°	104	52	156	208	311
70°	64	64	192	256	321
75°	85	85	254	254	339
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51013 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	1.8
10°-20°	13.8	14.4
20°-30°	29.1	30.3
30°-40°	33.0	34.4
40°-50°	16.3	16.9
50°-60°	1.4	1.5
60°-70°	0.3	0.3
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°	44.6	46.5
0°-40°	77.7	80.9
0°-60°	95.3	99.3
0°-90°	96.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	96.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	34	22	9	4	3	6
15°	218	74	5	0	0	62
25°	293	84	2	0	0	136
35°	301	38	0	0	0	185
45°	164	6	0	0	0	122
55°	2	0	0	0	1	10
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°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
2.5°	17.5	17.9	17.8	17.7	17.6	17.2	16.5	16.4	15.6	15.1	12.5
5°	34.2	33.5	33.7	32.7	31.5	29.8	28.7	26.3	24.3	22.2	14.6
7.5°	64.5	63.5	61.7	58.9	56.1	52.4	46.8	42.3	37.1	32.2	16.2
10°	108.8	108.3	106.0	98.9	92.7	82.8	73.5	63.7	54.0	44.6	17.3
12.5°	168.1	164.6	160.4	151.0	138.7	126.3	108.0	91.0	75.6	59.7	17.4
15°	217.5	215.3	209.3	197.1	182.3	164.4	142.6	119.8	96.5	74.1	16.5
17.5°	257.2	253.8	246.1	234.1	217.2	193.9	168.4	140.6	112.2	84.4	15.1
20°	279.8	278.0	272.1	260.2	241.6	216.2	187.2	154.8	122.0	89.8	13.2
22.5°	291.2	289.9	285.6	276.0	258.7	233.1	199.8	162.2	124.9	89.2	11.2
25°	292.8	292.5	288.8	281.5	267.1	241.7	205.4	163.6	122.5	84.2	9.3
27.5°	298.5	297.3	292.9	285.7	271.1	243.2	203.5	158.8	115.0	75.4	7.8
30°	305.2	304.4	300.0	292.5	275.2	241.8	196.7	148.3	103.1	64.1	5.8
32.5°	304.7	304.4	300.7	292.7	272.3	233.7	184.8	132.5	86.8	50.6	3.6
35°	300.8	299.6	295.0	282.7	255.6	212.9	162.0	111.2	68.7	37.7	2.3
37.5°	291.5	288.9	281.1	260.3	225.7	180.7	131.9	85.8	48.6	25.2	1.5
40°	267.0	263.7	247.9	222.9	186.6	142.4	98.2	59.0	32.1	15.4	0.6
42.5°	221.5	214.8	199.1	173.3	139.3	100.7	64.5	38.3	18.9	9.3	0.2
45°	164.5	159.4	142.9	119.5	91.3	64.5	39.0	20.7	10.4	5.7	0.1
47.5°	95.8	92.7	84.2	68.9	50.4	33.9	20.0	11.1	6.1	2.8	0.1
50°	50.2	46.3	39.8	30.2	22.2	15.6	9.7	5.9	3.0	0.9	0.1
52.5°	17.6	17.3	15.8	11.9	9.7	7.0	4.7	2.6	0.9	0.2	0.1
55°	2.5	2.5	2.3	2.6	2.8	2.5	1.6	0.7	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.3	0.3	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°	10.1	10.1	10.1	10.1	10.1
2.5°	10.0	8.0	6.4	5.6	5.3
5°	9.4	6.0	4.0	3.1	2.9
7.5°	8.4	4.3	2.4	1.7	1.6
10°	7.3	3.1	1.5	1.0	0.9
12.5°	6.1	2.2	0.9	0.6	0.5
15°	5.1	1.5	0.5	0.4	0.3
17.5°	4.1	0.9	0.3	0.3	0.3
20°	3.2	0.6	0.2	0.2	0.2
22.5°	2.4	0.3	0.2	0.2	0.2
25°	1.7	0.2	0.1	0.1	0.2
27.5°	1.2	0.1	0.1	0.1	0.2
30°	0.7	0.1	0.1	0.1	0.2
32.5°	0.3	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	0.3
45°	0.1	0.2	0.3	0.3	0.4
47.5°	0.2	0.2	0.3	0.4	0.5
50°	0.2	0.3	0.3	0.5	0.5
52.5°	0.2	0.3	0.4	0.5	0.6
55°	0.2	0.3	0.4	0.6	0.6
57.5°	0.3	0.3	0.4	0.6	0.6
60°	0.3	0.3	0.4	0.6	0.6
62.5°	0.3	0.3	0.4	0.6	0.6
65°	0.3	0.3	0.4	0.6	0.6
67.5°	0.3	0.3	0.4	0.5	0.6
70°	0.3	0.3	0.4	0.5	0.5
72.5°	0.3	0.3	0.4	0.5	0.5
75°	0.3	0.3	0.3	0.4	0.4
77.5°	0.3	0.3	0.3	0.3	0.3
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)