

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: P1335497

Luminaire Tested: P3A02R359840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335497
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: P3A02R359840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

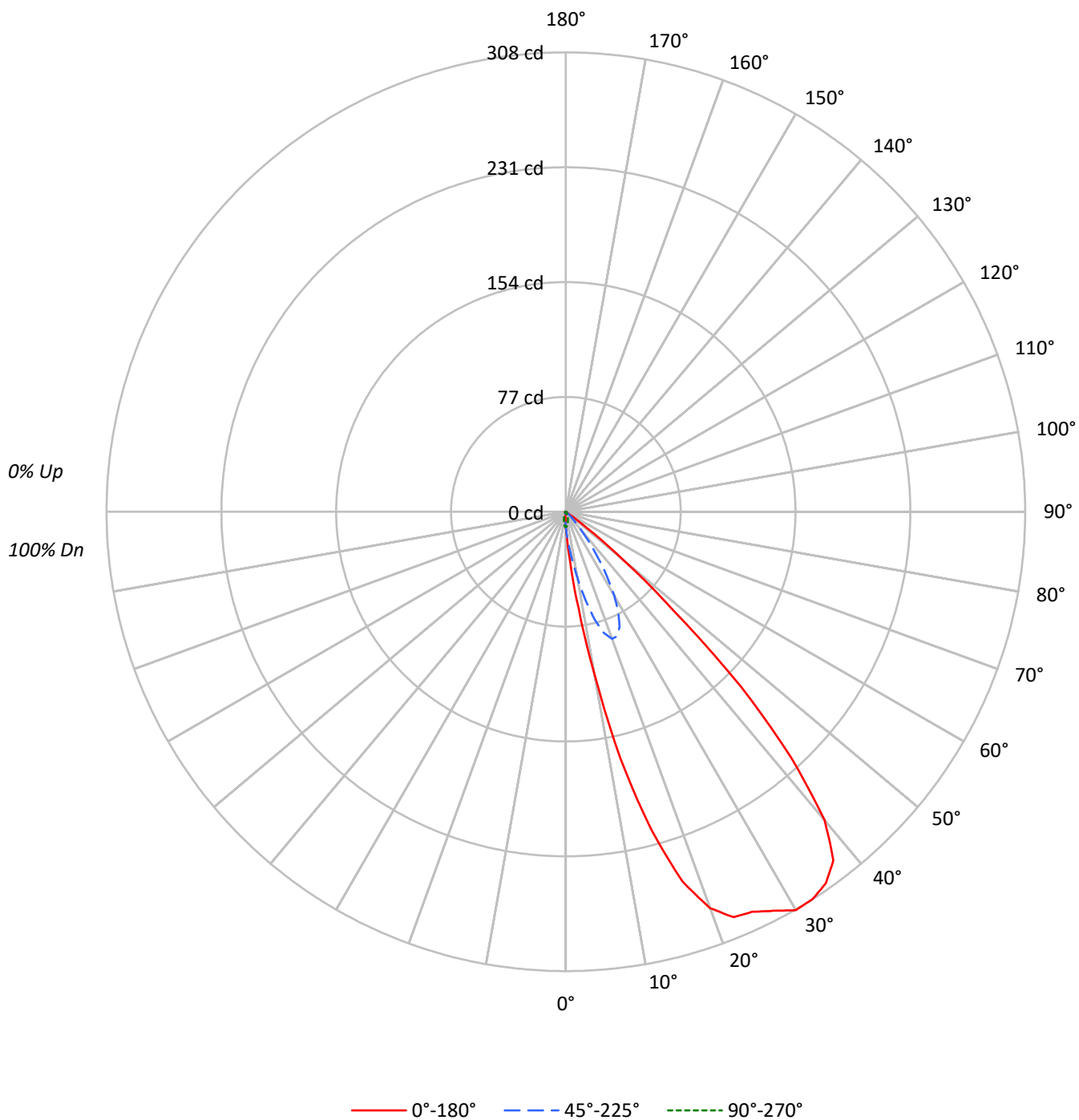
Lumens per Lamp: N/A
Luminaire Lumens: 97.0 lumens
Efficiency: N/A
Efficacy: 27.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	74	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	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2237	2237	2237	2237	2237
5°	7616	4953	2091	880	660
10°	24493	10020	1648	334	223
15°	49898	17004	1158	114	68
20°	65969	21165	747	47	47
25°	71593	20590	411	24	48
30°	78088	16408	177	25	51
35°	81378	10199	54	27	54
40°	77230	4466	29	57	86
45°	51540	1768	31	93	124
50°	17296	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: 51540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	1.8
10°-20°	13.9	14.4
20°-30°	29.4	30.3
30°-40°	33.4	34.4
40°-50°	16.4	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°	45.1	46.5
0°-40°	78.5	80.9
0°-60°	96.3	99.3
0°-90°	97.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	97.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	35	22	10	4	3	6
15°	220	75	5	0	0	62
25°	296	85	2	0	0	138
35°	304	38	0	0	0	187
45°	166	6	0	0	0	123
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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	17.7	18.1	17.9	17.9	17.8	17.4	16.6	16.5	15.8	15.2	12.6
5°	34.6	33.9	34.0	33.1	31.9	30.1	29.0	26.6	24.6	22.5	14.7
7.5°	65.1	64.2	62.3	59.6	56.7	52.9	47.3	42.8	37.5	32.6	16.4
10°	110.0	109.5	107.1	100.0	93.7	83.7	74.3	64.3	54.6	45.0	17.5
12.5°	169.9	166.3	162.0	152.6	140.2	127.6	109.1	91.9	76.4	60.3	17.6
15°	219.8	217.5	211.5	199.1	184.2	166.1	144.1	121.0	97.5	74.9	16.7
17.5°	259.9	256.4	248.7	236.6	219.4	195.9	170.1	142.0	113.4	85.2	15.2
20°	282.7	280.9	275.0	262.9	244.2	218.5	189.1	156.4	123.3	90.7	13.3
22.5°	294.2	292.9	288.6	278.9	261.4	235.5	201.9	163.9	126.2	90.1	11.3
25°	295.9	295.5	291.8	284.5	269.8	244.2	207.5	165.3	123.8	85.1	9.4
27.5°	301.6	300.4	296.0	288.6	273.9	245.7	205.6	160.5	116.2	76.2	7.8
30°	308.4	307.5	303.1	295.5	278.1	244.3	198.8	149.9	104.1	64.8	5.8
32.5°	307.9	307.5	303.8	295.8	275.2	236.1	186.7	133.9	87.7	51.1	3.7
35°	304.0	302.8	298.1	285.7	258.3	215.1	163.7	112.3	69.4	38.1	2.4
37.5°	294.6	292.0	284.0	263.0	228.0	182.6	133.3	86.7	49.1	25.5	1.5
40°	269.8	266.4	250.5	225.2	188.5	143.8	99.2	59.6	32.4	15.6	0.6
42.5°	223.8	217.1	201.1	175.1	140.7	101.7	65.1	38.7	19.1	9.4	0.2
45°	166.2	161.1	144.4	120.8	92.2	65.2	39.4	20.9	10.5	5.7	0.1
47.5°	96.8	93.7	85.1	69.6	50.9	34.2	20.2	11.2	6.2	2.8	0.1
50°	50.7	46.8	40.2	30.5	22.5	15.8	9.8	6.0	3.0	0.9	0.1
52.5°	17.8	17.5	15.9	12.0	9.8	7.1	4.8	2.6	0.9	0.2	0.1
55°	2.5	2.5	2.4	2.6	2.8	2.5	1.7	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°	10.2	10.2	10.2	10.2	10.2
2.5°	10.1	8.1	6.4	5.7	5.4
5°	9.5	6.1	4.0	3.1	3.0
7.5°	8.4	4.4	2.4	1.7	1.7
10°	7.4	3.1	1.5	1.0	1.0
12.5°	6.2	2.2	1.0	0.6	0.5
15°	5.1	1.5	0.5	0.4	0.3
17.5°	4.1	1.0	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)