

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: P1335273

Luminaire Tested: P3A02R359024DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335273
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: P3A02R359024DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

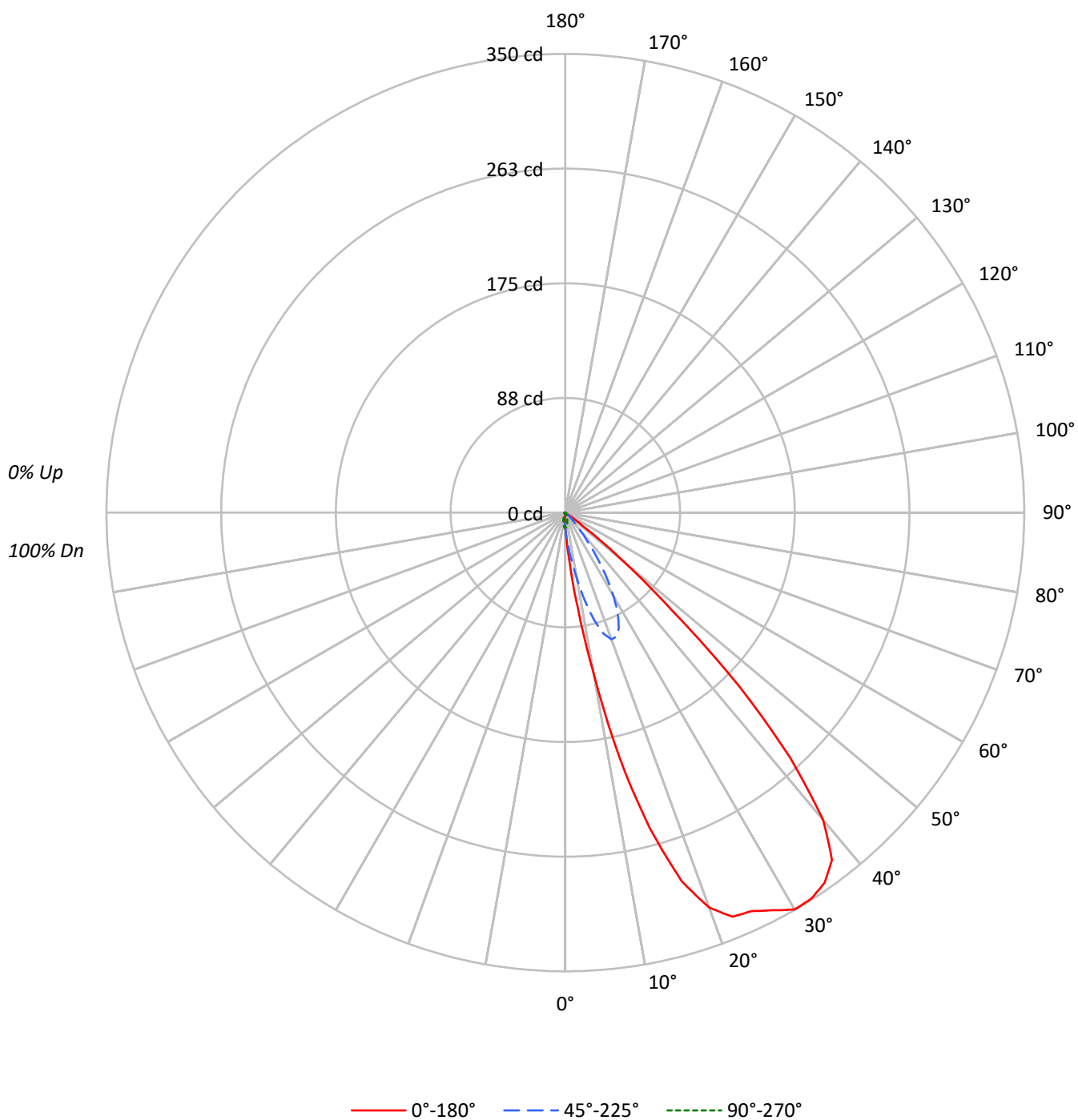
Lumens per Lamp: N/A
Luminaire Lumens: 110.0 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.49 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	83	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	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2544	2544	2544	2544	2544
5°	8629	5613	2377	991	748
10°	27766	11378	1870	379	245
15°	56572	19274	1317	136	91
20°	74813	24012	863	47	47
25°	81174	23348	484	24	48
30°	88545	18610	203	25	51
35°	92274	11564	54	27	54
40°	87564	5067	29	57	86
45°	58456	2016	31	93	155
50°	19616	341	68	136	205
55°	1109	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: 58456 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	1.8
10°-20°	15.8	14.4
20°-30°	33.3	30.3
30°-40°	37.8	34.4
40°-50°	18.6	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°	51.2	46.5
0°-40°	89.0	80.9
0°-60°	109.2	99.3
0°-90°	110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	39	26	11	4	3	6
15°	249	85	6	1	0	71
25°	336	96	2	0	0	156
35°	345	43	0	0	0	212
45°	188	6	0	0	0	139
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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	20.0	20.5	20.3	20.2	20.1	19.7	18.9	18.8	17.9	17.3	14.3
5°	39.2	38.4	38.6	37.5	36.1	34.2	32.9	30.1	27.8	25.5	16.7
7.5°	73.9	72.8	70.7	67.5	64.3	60.0	53.6	48.5	42.6	36.9	18.6
10°	124.7	124.1	121.5	113.4	106.2	94.9	84.2	73.0	61.9	51.1	19.8
12.5°	192.6	188.6	183.8	173.0	159.0	144.8	123.7	104.3	86.6	68.4	19.9
15°	249.2	246.7	239.8	225.8	208.9	188.4	163.4	137.3	110.6	84.9	19.0
17.5°	294.7	290.8	282.0	268.3	248.8	222.2	192.9	161.0	128.6	96.7	17.3
20°	320.6	318.5	311.8	298.1	276.9	247.7	214.5	177.3	139.8	102.9	15.1
22.5°	333.7	332.2	327.2	316.3	296.4	267.1	229.0	185.8	143.1	102.2	12.8
25°	335.5	335.1	330.9	322.6	306.0	277.0	235.3	187.4	140.4	96.5	10.7
27.5°	342.0	340.7	335.6	327.3	310.6	278.7	233.1	182.0	131.8	86.4	8.9
30°	349.7	348.8	343.7	335.1	315.4	277.1	225.4	169.9	118.1	73.5	6.6
32.5°	349.2	348.8	344.5	335.4	312.0	267.8	211.7	151.9	99.4	58.0	4.1
35°	344.7	343.3	338.0	324.0	292.9	243.9	185.6	127.4	78.7	43.2	2.7
37.5°	334.0	331.1	322.1	298.3	258.6	207.1	151.2	98.3	55.7	28.9	1.7
40°	305.9	302.2	284.1	255.3	213.8	163.1	112.5	67.6	36.7	17.7	0.7
42.5°	253.8	246.2	228.1	198.6	159.6	115.3	73.9	43.8	21.6	10.7	0.2
45°	188.5	182.7	163.7	137.0	104.6	74.0	44.7	23.7	11.9	6.5	0.1
47.5°	109.8	106.2	96.5	78.9	57.8	38.8	22.9	12.7	7.0	3.2	0.1
50°	57.5	53.0	45.6	34.6	25.5	17.9	11.2	6.8	3.5	1.0	0.1
52.5°	20.1	19.8	18.1	13.6	11.1	8.0	5.4	3.0	1.0	0.2	0.1
55°	2.9	2.9	2.7	3.0	3.2	2.9	1.9	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°	11.6	11.6	11.6	11.6	11.6
2.5°	11.5	9.2	7.3	6.4	6.1
5°	10.8	6.9	4.5	3.6	3.4
7.5°	9.6	4.9	2.8	2.0	1.9
10°	8.4	3.6	1.7	1.2	1.1
12.5°	7.0	2.5	1.1	0.7	0.6
15°	5.8	1.7	0.6	0.5	0.4
17.5°	4.6	1.1	0.4	0.3	0.4
20°	3.7	0.7	0.2	0.2	0.2
22.5°	2.8	0.4	0.2	0.2	0.2
25°	2.0	0.2	0.1	0.1	0.2
27.5°	1.4	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)