

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: P1335657

Luminaire Tested: P3A02R409030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R409030DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

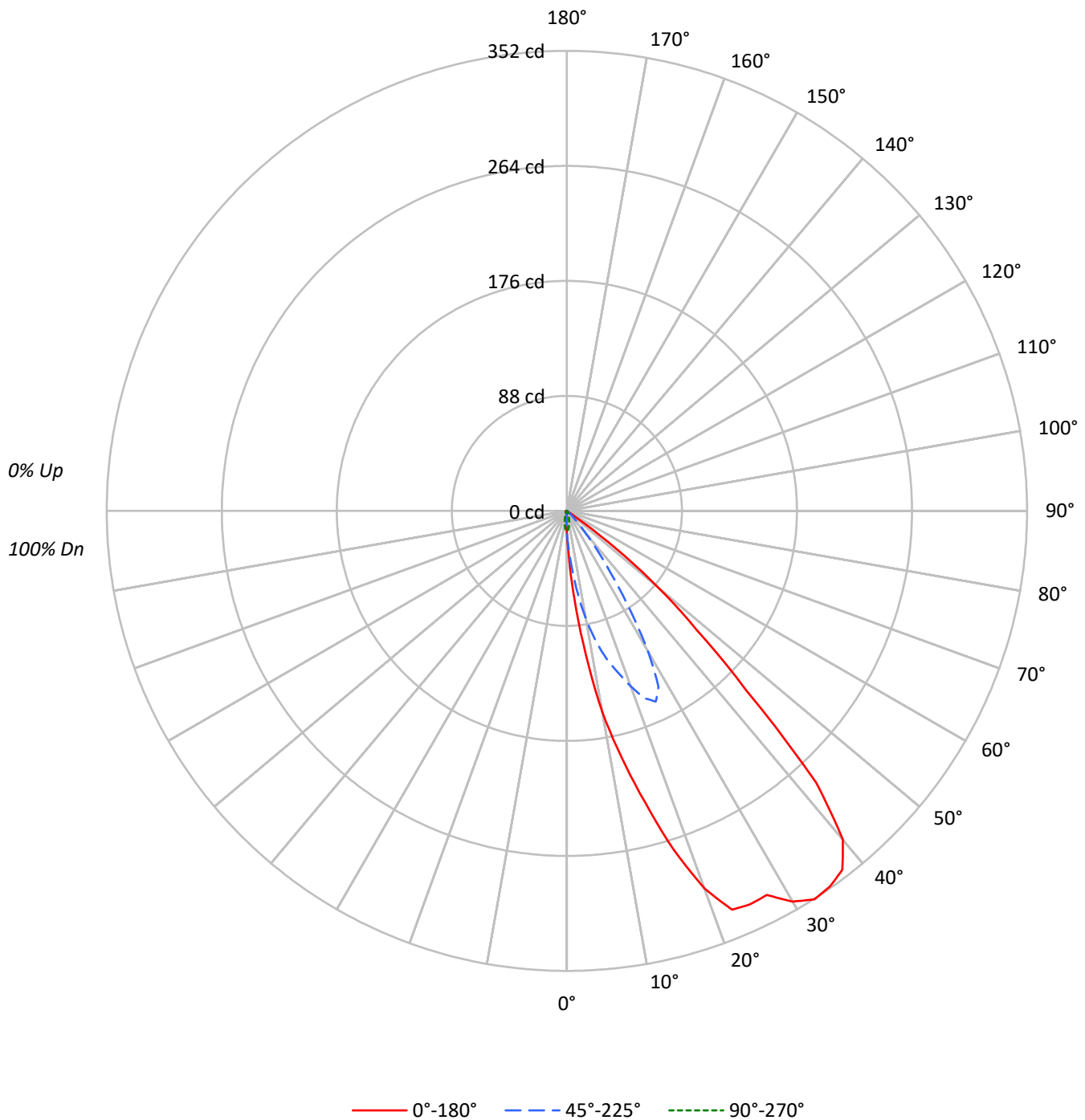
Lumens per Lamp: N/A
Luminaire Lumens: 129.9 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 2.52 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3377	3377	3377	3377	3377
5°	15210	9707	3016	1167	836
10°	34891	18748	2138	423	312
15°	52350	26584	1317	227	204
20°	71686	33323	770	117	163
25°	80351	38954	387	97	121
30°	87406	31448	177	76	127
35°	93933	16088	54	107	187
40°	93976	6412	29	115	229
45°	60006	2140	62	217	310
50°	31146	273	102	273	375
55°	2676	38	115	344	459
60°	88	44	132	395	526
65°	104	52	208	415	571
70°	64	64	256	449	577
75°	85	85	254	424	678
80°	126	126	379	379	505
85°	0	252	755	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	2.3
10°-20°	17.6	13.5
20°-30°	38.5	29.7
30°-40°	43.9	33.8
40°-50°	23.2	17.8
50°-60°	2.7	2.1
60°-70°	0.5	0.4
70°-80°	0.4	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°	59.1	45.5
0°-40°	103.0	79.3
0°-60°	128.9	99.2
0°-90°	129.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	129.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	69	44	14	5	4	9
15°	231	117	6	1	1	68
25°	332	161	2	0	0	153
35°	351	60	0	0	1	218
45°	194	7	0	1	1	156
55°	7	0	0	1	1	22
65°	0	0	0	1	1	0
75°	0	0	0	0	1	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°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
2.5°	34.3	34.3	34.2	33.2	33.1	33.0	31.2	30.8	28.7	27.2	20.8
5°	69.1	67.6	67.5	65.7	62.7	58.8	56.3	52.2	48.2	44.1	25.6
7.5°	110.1	111.4	107.8	105.9	99.3	94.6	87.3	81.0	72.1	63.7	29.6
10°	156.7	154.4	150.7	147.1	140.0	131.5	120.8	109.4	96.6	84.2	31.8
12.5°	193.0	190.1	187.9	182.9	175.9	165.0	152.2	137.0	120.0	102.1	31.6
15°	230.6	227.7	222.7	218.3	207.9	195.7	181.7	161.7	140.9	117.1	29.3
17.5°	271.9	268.1	262.6	255.9	245.8	232.3	214.6	190.2	160.6	129.4	25.2
20°	307.2	304.9	299.4	291.5	281.6	268.4	248.0	221.0	184.9	142.8	20.0
22.5°	330.3	328.2	324.5	317.5	310.1	296.0	277.3	247.7	205.2	155.0	15.2
25°	332.1	331.3	330.3	328.0	323.5	313.5	295.2	263.3	217.9	161.0	11.2
27.5°	331.2	330.8	330.6	329.4	326.4	316.5	297.9	265.6	216.2	151.7	8.2
30°	345.2	344.2	343.7	339.7	331.9	316.7	292.3	253.1	192.2	124.2	5.9
32.5°	352.4	352.1	351.6	347.8	336.8	316.9	282.8	223.2	152.4	89.7	4.1
35°	350.9	349.8	347.9	340.7	325.4	300.5	252.3	178.2	110.0	60.1	2.6
37.5°	346.1	343.6	339.7	326.9	306.5	272.5	204.6	131.2	74.8	38.9	1.5
40°	328.3	324.9	318.9	303.1	276.4	224.6	151.3	88.7	49.1	22.4	0.4
42.5°	282.3	277.9	273.5	255.9	225.4	167.4	99.5	54.8	28.0	12.3	0.1
45°	193.5	188.0	182.0	169.2	144.7	101.4	59.2	30.9	14.5	6.9	0.1
47.5°	134.4	131.8	121.3	105.0	80.5	53.7	30.7	15.2	7.7	3.2	0.1
50°	91.3	88.4	76.1	60.4	42.9	25.7	14.1	7.6	3.4	0.8	0.1
52.5°	47.9	44.4	36.6	27.9	17.4	10.8	6.2	3.3	1.0	0.1	0.1
55°	7.0	6.5	5.3	4.3	3.8	3.0	1.8	0.8	0.1	0.1	0.2
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3
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	0.2	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3
80°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3
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°	15.4	15.4	15.4	15.4	15.4
2.5°	15.2	11.2	8.7	7.5	7.4
5°	13.7	8.0	5.3	4.1	3.8
7.5°	11.6	5.6	3.1	2.2	2.1
10°	9.6	3.8	1.9	1.5	1.4
12.5°	7.6	2.5	1.3	1.2	1.1
15°	5.8	1.6	1.0	0.9	0.9
17.5°	4.4	1.1	0.8	0.8	0.8
20°	3.3	0.8	0.5	0.7	0.7
22.5°	2.3	0.5	0.4	0.5	0.5
25°	1.6	0.4	0.4	0.5	0.5
27.5°	1.1	0.3	0.3	0.4	0.5
30°	0.7	0.2	0.3	0.4	0.5
32.5°	0.3	0.2	0.3	0.5	0.5
35°	0.2	0.3	0.4	0.5	0.7
37.5°	0.1	0.3	0.4	0.7	0.7
40°	0.1	0.3	0.4	0.7	0.8
42.5°	0.2	0.4	0.5	0.8	0.9
45°	0.2	0.4	0.7	0.9	1.0
47.5°	0.2	0.4	0.8	1.0	1.0
50°	0.3	0.5	0.8	1.0	1.1
52.5°	0.3	0.5	0.8	1.1	1.2
55°	0.3	0.5	0.9	1.1	1.2
57.5°	0.3	0.7	0.9	1.1	1.2
60°	0.3	0.5	0.9	1.1	1.2
62.5°	0.4	0.5	0.8	1.1	1.1
65°	0.4	0.5	0.8	1.1	1.1
67.5°	0.4	0.5	0.8	1.0	1.0
70°	0.4	0.5	0.7	0.9	0.9
72.5°	0.4	0.5	0.7	0.8	0.9
75°	0.3	0.4	0.5	0.7	0.8
77.5°	0.3	0.4	0.4	0.7	0.7
80°	0.3	0.3	0.3	0.4	0.4
82.5°	0.3	0.3	0.2	0.3	0.3
85°	0.3	0.2	0.2	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)