

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: P1342061

Luminaire Tested: P3A09R359840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342061
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: P3A09R359840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

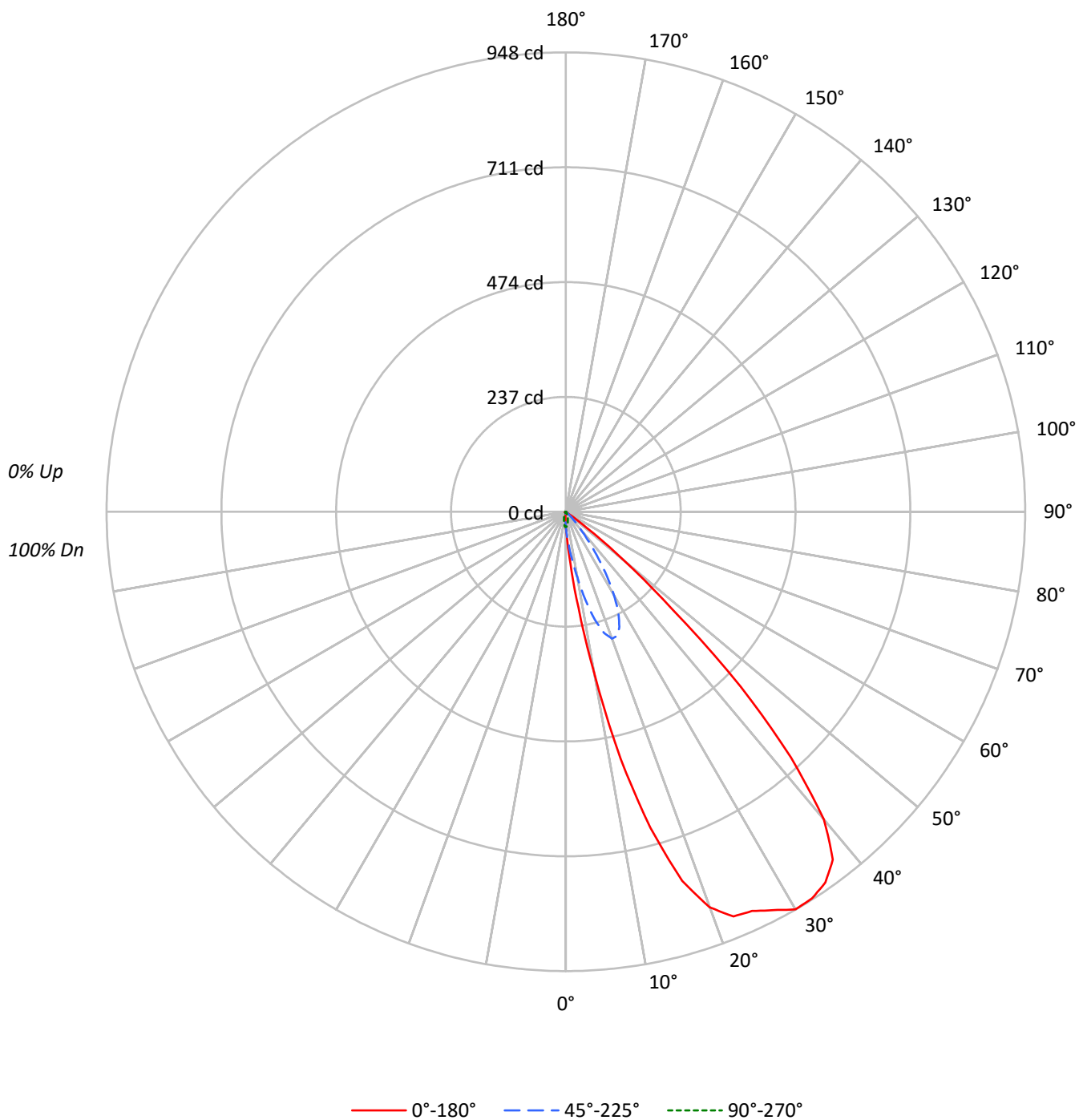
Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 27.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6863	6863	6863	6863	6863
5°	23377	15188	6427	2707	2003
10°	75238	30794	5054	1002	646
15°	153281	52236	3587	363	250
20°	202691	65036	2310	117	117
25°	219932	63246	1307	73	121
30°	239910	50387	532	76	127
35°	249998	31374	134	80	134
40°	237216	13711	86	143	229
45°	158373	5489	93	248	403
50°	53116	921	171	375	546
55°	2982	115	191	497	726
60°	219	132	351	570	833
65°	259	156	415	675	986
70°	192	192	513	833	1026
75°	254	254	678	932	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 158373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	1.8
10°-20°	42.8	14.4
20°-30°	90.3	30.3
30°-40°	102.5	34.4
40°-50°	50.4	16.9
50°-60°	4.4	1.5
60°-70°	0.9	0.3
70°-80°	0.8	0.3
80°-90°	0.4	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°	138.6	46.5
0°-40°	241.1	80.9
0°-60°	295.9	99.3
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	106	69	29	12	9	17
15°	675	230	16	2	1	192
25°	909	261	5	0	0	423
35°	934	117	0	0	0	576
45°	511	18	0	1	1	377
55°	8	0	0	1	2	30
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	54.3	55.6	55.1	54.8	54.6	53.5	51.1	50.8	48.4	46.8	38.8
5°	106.2	104.1	104.6	101.7	97.9	92.6	89.1	81.6	75.4	69.0	45.2
7.5°	200.1	197.2	191.5	183.0	174.1	162.6	145.3	131.3	115.3	100.0	50.3
10°	337.9	336.3	329.0	307.1	287.8	257.1	228.2	197.7	167.7	138.3	53.8
12.5°	521.9	510.9	497.8	468.7	430.7	392.2	335.2	282.5	234.6	185.4	54.0
15°	675.2	668.2	649.8	611.8	566.0	510.4	442.7	371.8	299.6	230.1	51.4
17.5°	798.5	787.8	764.0	726.8	674.1	601.9	522.7	436.3	348.3	261.9	46.8
20°	868.6	863.0	844.8	807.6	750.1	671.2	581.0	480.4	378.8	278.7	40.9
22.5°	903.9	899.9	886.5	856.8	803.0	723.6	620.3	503.4	387.6	276.9	34.8
25°	909.0	907.9	896.4	873.9	829.0	750.3	637.5	507.7	380.4	261.4	28.9
27.5°	926.6	922.9	909.2	886.8	841.6	754.9	631.6	493.0	357.1	234.1	24.1
30°	947.5	944.8	931.2	907.9	854.4	750.6	610.7	460.4	319.9	199.0	17.9
32.5°	945.9	944.8	933.3	908.7	845.3	725.5	573.5	411.4	269.4	157.0	11.2
35°	933.9	930.1	915.7	877.7	793.4	660.7	502.9	345.1	213.2	117.2	7.2
37.5°	905.0	896.9	872.6	808.1	700.6	561.0	409.5	266.4	150.9	78.4	4.5
40°	828.7	818.6	769.6	691.8	579.1	441.9	304.7	183.2	99.5	47.9	1.9
42.5°	687.5	666.9	617.9	537.9	432.3	312.4	200.1	118.8	58.6	28.9	0.5
45°	510.7	494.9	443.5	371.0	283.3	200.4	121.2	64.2	32.4	17.7	0.3
47.5°	297.5	287.8	261.4	213.7	156.5	105.1	62.1	34.5	19.0	8.6	0.3
50°	155.7	143.6	123.6	93.6	69.0	48.4	30.2	18.5	9.4	2.7	0.3
52.5°	54.6	53.8	49.0	36.9	30.0	21.7	14.7	8.0	2.7	0.5	0.3
55°	7.8	7.8	7.2	8.0	8.6	7.8	5.1	2.1	0.5	0.3	0.3
57.5°	0.5	0.5	0.5	0.8	1.1	1.1	0.8	0.3	0.3	0.3	0.5
60°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
62.5°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
65°	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
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°	31.3	31.3	31.3	31.3	31.3
2.5°	31.0	24.9	19.8	17.4	16.6
5°	29.2	18.7	12.3	9.6	9.1
7.5°	25.9	13.4	7.5	5.4	5.1
10°	22.7	9.6	4.5	3.2	2.9
12.5°	19.0	6.7	2.9	1.9	1.6
15°	15.8	4.5	1.6	1.3	1.1
17.5°	12.6	2.9	1.1	0.8	1.1
20°	9.9	1.9	0.5	0.5	0.5
22.5°	7.5	1.1	0.5	0.5	0.5
25°	5.4	0.5	0.3	0.3	0.5
27.5°	3.7	0.3	0.3	0.3	0.5
30°	2.1	0.3	0.3	0.3	0.5
32.5°	1.1	0.3	0.3	0.5	0.5
35°	0.5	0.3	0.3	0.5	0.5
37.5°	0.3	0.3	0.3	0.5	0.8
40°	0.3	0.3	0.5	0.8	0.8
42.5°	0.3	0.3	0.5	0.8	1.1
45°	0.3	0.5	0.8	1.1	1.3
47.5°	0.5	0.5	1.1	1.3	1.6
50°	0.5	0.8	1.1	1.6	1.6
52.5°	0.5	0.8	1.3	1.6	1.9
55°	0.5	1.1	1.3	1.9	1.9
57.5°	0.8	1.1	1.3	1.9	1.9
60°	0.8	1.1	1.3	1.9	1.9
62.5°	0.8	1.1	1.3	1.9	1.9
65°	0.8	1.1	1.3	1.9	1.9
67.5°	0.8	1.1	1.3	1.6	1.9
70°	0.8	1.1	1.3	1.6	1.6
72.5°	1.1	1.1	1.3	1.6	1.6
75°	0.8	1.1	1.1	1.3	1.3
77.5°	0.8	0.8	0.8	1.1	1.1
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.5	0.5	0.8	0.8
85°	0.8	0.5	0.3	0.5	0.5
87.5°	0.5	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)