

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: P1338499

Luminaire Tested: P3A05R359835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338499
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: P3A05R359835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

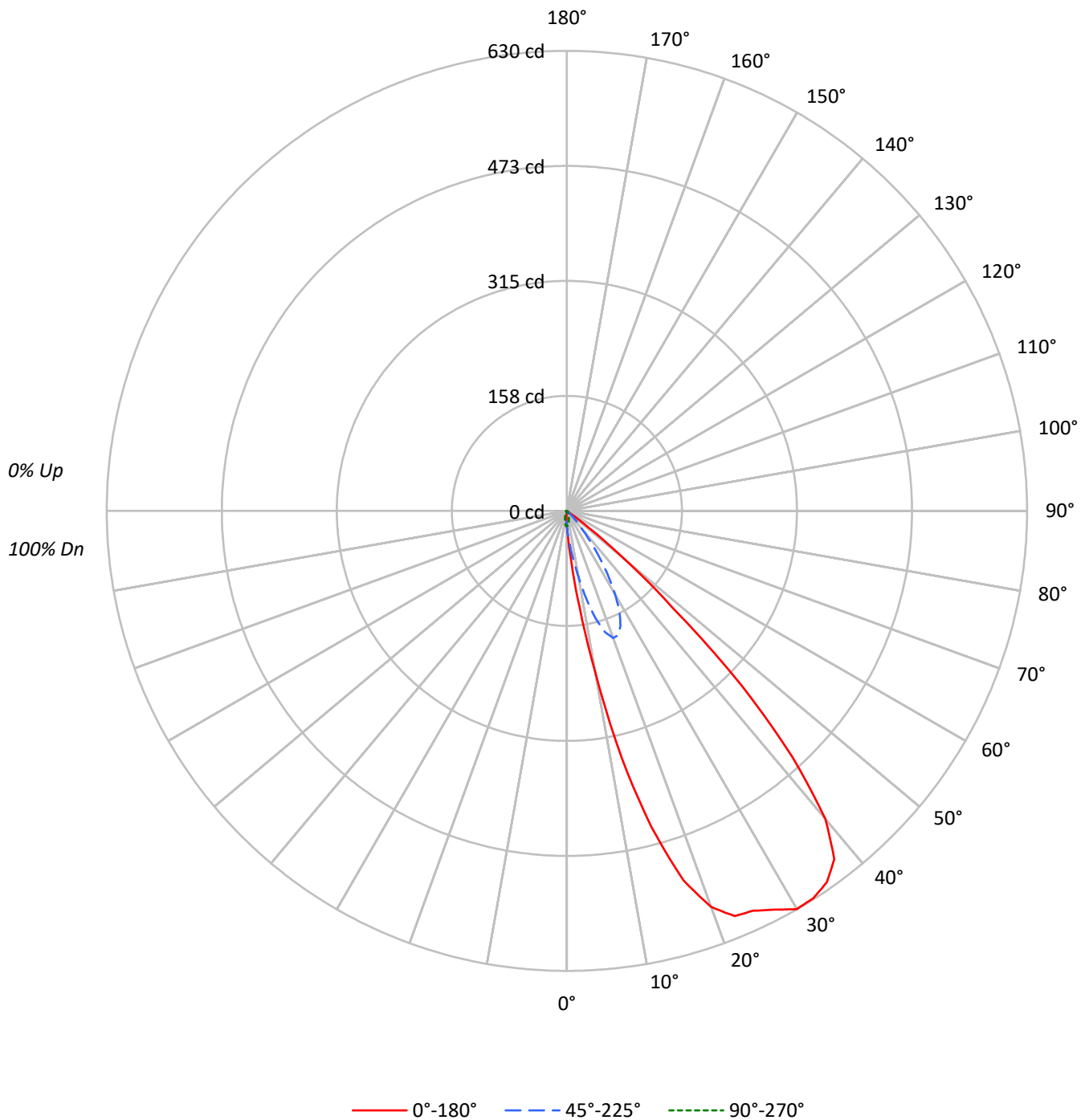
Lumens per Lamp: N/A
Luminaire Lumens: 198.0 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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°	4561	4561	4561	4561	4561
5°	15540	10103	4270	1805	1321
10°	49988	20463	3362	668	445
15°	101839	34711	2384	250	159
20°	134668	43217	1540	93	93
25°	146137	42002	871	48	97
30°	159392	33474	354	51	101
35°	166103	20826	107	54	107
40°	157610	9103	57	115	143
45°	105220	3628	62	155	279
50°	35274	614	136	239	375
55°	1988	76	153	344	459
60°	175	88	219	395	526
65°	208	104	259	467	623
70°	128	128	321	577	705
75°	169	169	424	593	763
80°	0	253	631	631	631
85°	0	503	1258	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105220 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	1.8
10°-20°	28.4	14.4
20°-30°	60.0	30.3
30°-40°	68.1	34.4
40°-50°	33.5	16.9
50°-60°	2.9	1.5
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	92.1	46.5
0°-40°	160.2	80.9
0°-60°	196.6	99.3
0°-90°	198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	71	46	19	8	6	12
15°	449	153	10	1	1	128
25°	604	174	4	0	0	281
35°	620	78	0	0	0	382
45°	339	12	0	0	1	251
55°	5	0	0	1	1	20
65°	0	0	0	1	1	0
75°	0	0	0	1	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°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
2.5°	36.1	37.0	36.6	36.4	36.3	35.5	33.9	33.8	32.2	31.1	25.8
5°	70.6	69.1	69.5	67.5	65.1	61.5	59.2	54.2	50.1	45.9	30.0
7.5°	132.9	131.0	127.3	121.6	115.7	108.1	96.5	87.3	76.6	66.5	33.4
10°	224.5	223.4	218.6	204.0	191.2	170.8	151.6	131.3	111.4	91.9	35.7
12.5°	346.8	339.5	330.8	311.4	286.2	260.6	222.7	187.7	155.9	123.2	35.9
15°	448.6	444.0	431.7	406.5	376.1	339.1	294.2	247.1	199.1	152.9	34.1
17.5°	530.5	523.4	507.6	482.9	447.9	399.9	347.3	289.9	231.4	174.0	31.1
20°	577.1	573.4	561.3	536.6	498.4	445.9	386.0	319.2	251.7	185.2	27.2
22.5°	600.6	597.9	589.0	569.3	533.6	480.8	412.2	334.5	257.5	184.0	23.1
25°	604.0	603.2	595.6	580.7	550.8	498.6	423.5	337.3	252.7	173.6	19.2
27.5°	615.7	613.2	604.1	589.2	559.2	501.6	419.6	327.6	237.3	155.5	16.0
30°	629.5	627.8	618.7	603.2	567.7	498.7	405.8	305.9	212.6	132.2	11.9
32.5°	628.5	627.8	620.1	603.8	561.6	482.0	381.1	273.4	179.0	104.3	7.5
35°	620.5	618.0	608.4	583.2	527.2	439.0	334.1	229.3	141.7	77.8	4.8
37.5°	601.3	596.0	579.8	536.9	465.5	372.7	272.1	177.0	100.2	52.1	3.0
40°	550.6	543.9	511.4	459.6	384.8	293.6	202.4	121.8	66.1	31.8	1.2
42.5°	456.8	443.1	410.6	357.4	287.2	207.6	132.9	78.9	38.9	19.2	0.4
45°	339.3	328.8	294.7	246.5	188.2	133.1	80.5	42.7	21.5	11.7	0.2
47.5°	197.6	191.2	173.6	142.0	104.0	69.9	41.2	22.9	12.6	5.7	0.2
50°	103.4	95.4	82.1	62.2	45.9	32.2	20.1	12.3	6.2	1.8	0.2
52.5°	36.3	35.7	32.5	24.5	19.9	14.4	9.8	5.3	1.8	0.4	0.2
55°	5.2	5.2	4.8	5.3	5.7	5.2	3.4	1.4	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	20.8	20.8	20.8	20.8	20.8
2.5°	20.6	16.5	13.2	11.6	11.0
5°	19.4	12.4	8.2	6.4	6.0
7.5°	17.2	8.9	5.0	3.6	3.4
10°	15.1	6.4	3.0	2.1	2.0
12.5°	12.6	4.4	2.0	1.2	1.1
15°	10.5	3.0	1.1	0.9	0.7
17.5°	8.4	2.0	0.7	0.5	0.7
20°	6.6	1.2	0.4	0.4	0.4
22.5°	5.0	0.7	0.4	0.4	0.4
25°	3.6	0.4	0.2	0.2	0.4
27.5°	2.5	0.2	0.2	0.2	0.4
30°	1.4	0.2	0.2	0.2	0.4
32.5°	0.7	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.5
40°	0.2	0.2	0.4	0.5	0.5
42.5°	0.2	0.2	0.4	0.5	0.7
45°	0.2	0.4	0.5	0.7	0.9
47.5°	0.4	0.4	0.7	0.9	1.1
50°	0.4	0.5	0.7	1.1	1.1
52.5°	0.4	0.5	0.9	1.1	1.2
55°	0.4	0.7	0.9	1.2	1.2
57.5°	0.5	0.7	0.9	1.2	1.2
60°	0.5	0.7	0.9	1.2	1.2
62.5°	0.5	0.7	0.9	1.2	1.2
65°	0.5	0.7	0.9	1.2	1.2
67.5°	0.5	0.7	0.9	1.1	1.2
70°	0.5	0.7	0.9	1.1	1.1
72.5°	0.7	0.7	0.9	1.1	1.1
75°	0.5	0.7	0.7	0.9	0.9
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.4	0.4	0.5	0.5
85°	0.5	0.4	0.2	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)