

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: P1338403

Luminaire Tested: P3A05R359727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338403
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: P3A05R359727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

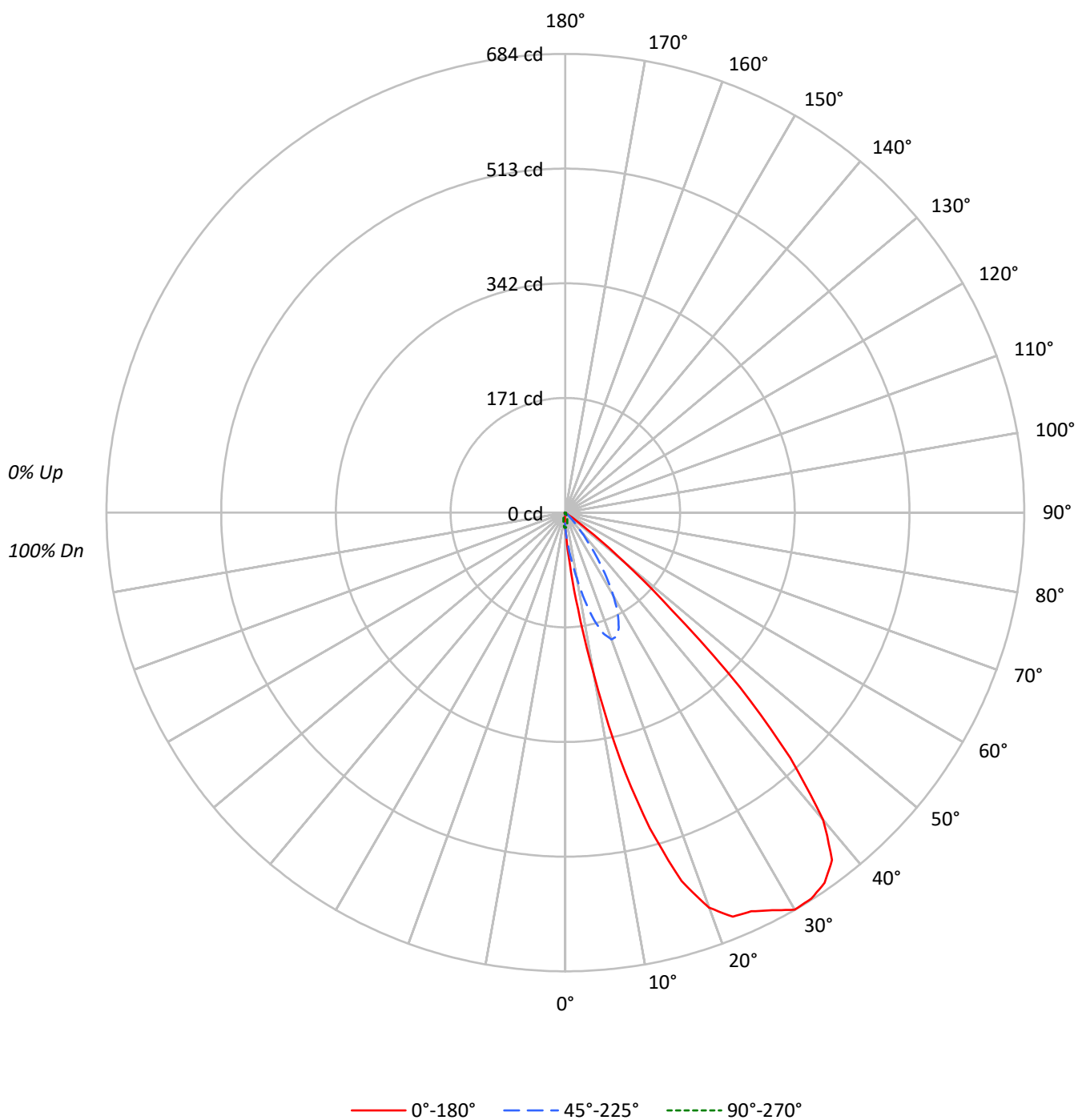
Lumens per Lamp: N/A
Luminaire Lumens: 215.1 lumens
Efficiency: N/A
Efficacy: 29.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4956	4956	4956	4956	4956
5°	16861	10962	4622	1959	1453
10°	54285	22222	3652	735	468
15°	110580	37685	2588	272	182
20°	146243	46927	1657	93	93
25°	158670	45632	944	48	97
30°	173090	36360	380	51	101
35°	180371	22620	107	54	107
40°	171149	9876	57	115	172
45°	114244	3938	62	186	310
50°	38310	648	136	273	409
55°	2141	76	153	382	535
60°	175	88	263	439	614
65°	208	104	311	519	726
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 114244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	1.8
10°-20°	30.9	14.4
20°-30°	65.2	30.3
30°-40°	73.9	34.4
40°-50°	36.4	16.9
50°-60°	3.2	1.5
60°-70°	0.7	0.3
70°-80°	0.6	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°	100.0	46.5
0°-40°	173.9	80.9
0°-60°	213.5	99.3
0°-90°	215.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	77	50	21	9	7	13
15°	487	166	11	1	1	138
25°	656	189	4	0	0	305
35°	674	84	0	0	0	415
45°	368	13	0	1	1	272
55°	6	0	0	1	1	22
65°	0	0	1	1	1	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°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
2.5°	39.2	40.1	39.8	39.6	39.4	38.6	36.9	36.7	34.9	33.8	28.0
5°	76.6	75.1	75.5	73.3	70.6	66.8	64.3	58.9	54.4	49.8	32.6
7.5°	144.4	142.2	138.2	132.0	125.6	117.3	104.8	94.8	83.2	72.2	36.3
10°	243.8	242.6	237.4	221.6	207.7	185.5	164.6	142.6	121.0	99.8	38.8
12.5°	376.5	368.6	359.2	338.1	310.7	282.9	241.8	203.8	169.3	133.7	39.0
15°	487.1	482.1	468.8	441.4	408.4	368.2	319.4	268.3	216.2	166.0	37.1
17.5°	576.1	568.4	551.2	524.4	486.4	434.2	377.1	314.8	251.3	188.9	33.8
20°	626.7	622.6	609.5	582.7	541.2	484.2	419.2	346.6	273.3	201.1	29.5
22.5°	652.1	649.2	639.6	618.2	579.4	522.1	447.6	363.2	279.7	199.8	25.1
25°	655.8	655.0	646.7	630.5	598.1	541.4	459.9	366.3	274.4	188.6	20.8
27.5°	668.5	665.8	656.0	639.8	607.2	544.6	455.7	355.7	257.7	168.9	17.4
30°	683.6	681.7	671.8	655.0	616.4	541.6	440.6	332.1	230.8	143.6	12.9
32.5°	682.4	681.7	673.4	655.6	609.9	523.4	413.8	296.8	194.3	113.3	8.1
35°	673.8	671.1	660.6	633.2	572.4	476.7	362.8	249.0	153.8	84.5	5.2
37.5°	652.9	647.1	629.6	583.0	505.5	404.7	295.5	192.2	108.9	56.5	3.3
40°	597.9	590.6	555.3	499.1	417.8	318.8	219.8	132.2	71.8	34.5	1.4
42.5°	496.0	481.1	445.8	388.1	311.9	225.4	144.4	85.7	42.3	20.8	0.4
45°	368.4	357.0	320.0	267.7	204.4	144.6	87.4	46.3	23.4	12.7	0.2
47.5°	214.6	207.7	188.6	154.2	112.9	75.8	44.8	24.9	13.7	6.2	0.2
50°	112.3	103.6	89.2	67.5	49.8	34.9	21.8	13.3	6.8	1.9	0.2
52.5°	39.4	38.8	35.3	26.6	21.6	15.6	10.6	5.8	1.9	0.4	0.2
55°	5.6	5.6	5.2	5.8	6.2	5.6	3.7	1.5	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	0.6	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	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
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°	22.6	22.6	22.6	22.6	22.6
2.5°	22.4	17.9	14.3	12.5	12.0
5°	21.0	13.5	8.9	6.9	6.6
7.5°	18.7	9.6	5.4	3.9	3.7
10°	16.4	6.9	3.3	2.3	2.1
12.5°	13.7	4.8	2.1	1.4	1.2
15°	11.4	3.3	1.2	1.0	0.8
17.5°	9.1	2.1	0.8	0.6	0.8
20°	7.1	1.4	0.4	0.4	0.4
22.5°	5.4	0.8	0.4	0.4	0.4
25°	3.9	0.4	0.2	0.2	0.4
27.5°	2.7	0.2	0.2	0.2	0.4
30°	1.5	0.2	0.2	0.2	0.4
32.5°	0.8	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	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.4
55°	0.4	0.8	1.0	1.4	1.4
57.5°	0.6	0.8	1.0	1.4	1.4
60°	0.6	0.8	1.0	1.4	1.4
62.5°	0.6	0.8	1.0	1.4	1.4
65°	0.6	0.8	1.0	1.4	1.4
67.5°	0.6	0.8	1.0	1.2	1.4
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	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)