

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: P1337463

Luminaire Tested: P3A05R259830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

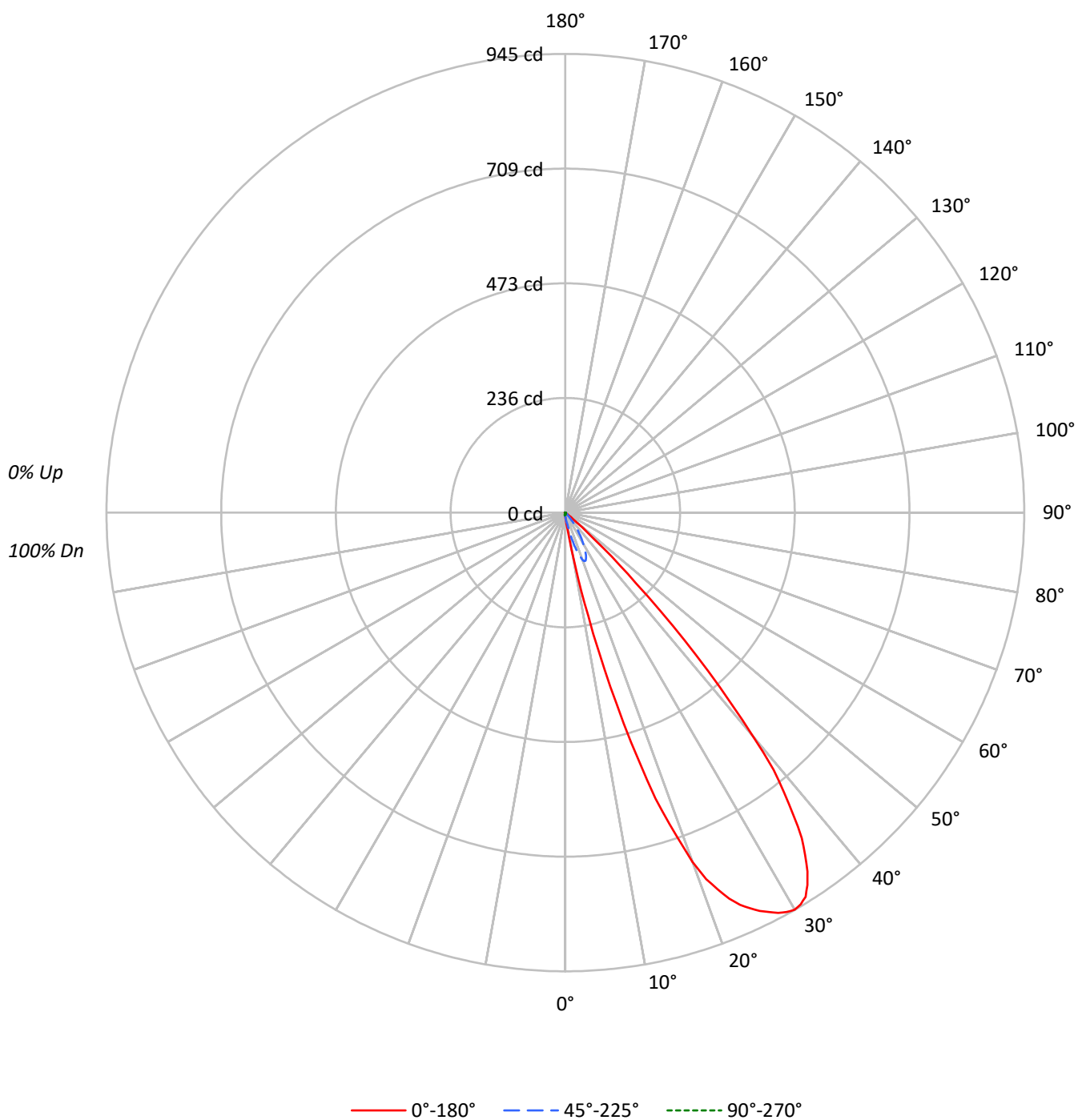
Lumens per Lamp: N/A
Luminaire Lumens: 189.1 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1776	1776	1776	1776	1776
5°	4468	3302	1673	858	660
10°	19505	5611	1381	401	267
15°	92804	15142	953	159	114
20°	178632	24245	607	47	47
25°	217561	24437	339	0	0
30°	239201	18712	127	0	0
35°	230510	11886	54	0	0
40°	172237	5153	0	0	57
45°	63759	1364	62	62	155
50°	7505	171	136	136	239
55°	726	0	153	191	344
60°	88	0	219	307	395
65°	104	104	363	467	571
70°	128	128	449	449	705
75°	169	169	424	424	593
80°	0	253	631	505	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63759 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.6
10°-20°	22.0	11.7
20°-30°	69.2	36.6
30°-40°	72.8	38.5
40°-50°	21.4	11.3
50°-60°	1.2	0.6
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°	92.4	48.9
0°-40°	165.2	87.4
0°-60°	187.7	99.3
0°-90°	189.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	20	15	8	4	3	4
15°	409	67	4	1	0	129
25°	899	101	1	0	0	412
35°	861	44	0	0	0	520
45°	206	4	0	0	0	187
55°	2	0	0	0	1	5
65°	0	0	1	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°	45°	67.5°	90°	112.5°
0°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2.5°	12.5	12.7	12.2	12.5	12.2	12.0	11.8	10.9	9.5	8.1	6.7
5°	20.3	20.3	19.4	19.2	18.9	18.2	17.5	15.0	10.8	7.6	5.3
7.5°	31.7	31.6	31.2	30.3	28.6	26.8	25.0	19.6	11.8	7.1	4.1
10°	87.6	86.4	84.8	75.3	64.5	55.0	46.7	25.2	12.7	6.2	3.0
12.5°	217.8	210.7	194.0	174.9	150.6	125.0	100.0	41.1	13.0	5.1	2.1
15°	408.8	394.1	368.0	329.9	280.2	224.3	176.7	66.7	12.7	4.2	1.6
17.5°	617.2	603.1	566.9	509.1	435.9	350.0	265.7	88.3	11.8	3.5	1.1
20°	765.5	750.5	716.6	655.3	576.1	461.7	349.9	103.9	11.1	2.6	0.5
21°	808.9	793.9	758.1	698.8	615.6	500.8	376.8	106.5	10.6	2.3	0.4
22°	836.4	827.6	789.1	731.6	646.8	532.2	399.9	107.7	10.2	2.1	0.4
23°	864.1	850.8	814.9	754.2	670.6	555.5	417.0	106.9	9.9	1.8	0.2
24°	884.5	873.4	831.6	771.7	687.2	569.8	427.1	104.6	9.3	1.6	0.2
25°	899.2	888.9	845.4	783.5	698.3	577.5	430.3	101.0	8.8	1.4	0.2
26°	913.1	902.0	856.8	790.4	704.1	580.0	427.3	97.2	8.3	1.2	0.0
27°	923.1	911.9	864.8	794.4	704.5	577.0	419.2	91.9	7.8	1.1	0.0
28°	933.9	920.8	870.2	796.7	702.4	569.9	407.5	86.2	7.4	0.9	0.0
29°	940.4	928.1	875.9	799.2	698.0	558.1	390.6	79.5	6.5	0.5	0.0
30°	944.7	930.0	875.3	796.5	692.1	545.4	370.3	73.9	5.6	0.5	0.0
31°	941.1	925.8	869.7	789.1	682.8	528.8	349.5	66.8	4.6	0.4	0.0
32°	933.5	915.4	859.8	776.2	666.0	507.5	328.0	61.0	3.4	0.4	0.0
33°	915.0	899.7	842.0	759.0	644.2	478.6	300.0	55.4	2.3	0.2	0.0
34°	891.7	876.4	817.7	735.9	614.9	441.2	265.9	49.6	1.9	0.2	0.0
35°	861.1	845.9	790.2	703.6	576.1	396.2	230.8	44.4	1.6	0.2	0.0
36°	828.8	808.7	755.4	669.2	524.1	345.1	193.3	38.6	1.2	0.2	0.0
37°	781.4	767.8	708.7	616.8	467.8	296.1	165.9	33.3	0.9	0.2	0.0
38°	732.2	719.6	662.0	564.1	405.1	247.6	139.0	28.2	0.7	0.0	0.0
39°	681.4	660.6	603.6	496.6	339.3	207.4	116.9	23.6	0.4	0.0	0.0
40°	601.7	585.8	525.0	415.5	280.7	168.1	99.6	18.0	0.4	0.0	0.0
42.5°	398.9	384.1	320.2	225.4	149.2	98.2	65.8	7.1	0.0	0.2	0.0
45°	205.6	196.3	159.4	118.0	84.6	60.3	42.3	4.4	0.0	0.2	0.2
47.5°	81.6	80.1	72.3	62.4	48.1	35.8	23.1	1.9	0.0	0.2	0.2
50°	22.0	22.2	20.8	19.2	17.5	16.4	9.7	0.5	0.0	0.4	0.2
52.5°	9.3	9.5	9.2	8.6	7.8	5.8	3.9	0.2	0.2	0.4	0.4
55°	1.9	2.1	2.3	2.5	2.8	2.5	1.6	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.0	0.2	0.4	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.5	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	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):

	135°	157.5°	180°
0°	8.1	8.1	8.1
2.5°	5.6	5.1	4.9
5°	3.9	3.4	3.0
7.5°	2.6	2.1	1.9
10°	1.8	1.4	1.2
12.5°	1.2	0.7	0.7
15°	0.7	0.5	0.5
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.5
47.5°	0.4	0.5	0.7
50°	0.4	0.7	0.7
52.5°	0.5	0.7	0.9
55°	0.5	0.9	0.9
57.5°	0.7	0.9	1.1
60°	0.7	0.9	0.9
62.5°	0.7	1.1	1.1
65°	0.9	1.1	1.1
67.5°	0.9	1.1	1.1
70°	0.7	0.9	1.1
72.5°	0.7	0.9	0.9
75°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.4	0.5	0.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)